

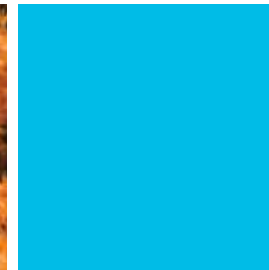
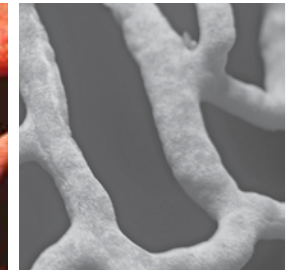
Welcome to More Choice

BD Multicolor Antibody Reagents Catalog

20th Edition

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.

Human
Mouse
Non-Human Primate



Human

Mouse

Non-Human Primate

BD continues to provide more choices for multicolor flow cytometry applications by expanding our portfolio and color options. Check out our portfolio of BD Horizon Brilliant™ Violet reagents. These dyes are very bright, and in many cases, provide unprecedented brightness for violet laser applications. Choose from BD Horizon Brilliant™ Violet 421 (BV421), BD Horizon Brilliant™ 480 (BV480), BD Horizon Brilliant™ Violet 510 (BV510), BD Horizon Brilliant™ Violet 605 (BV605), BD Horizon Brilliant™ Violet 650 (BV650), BD Horizon Brilliant™ Violet 711 (BV711), and BD Horizon Brilliant™ Violet 786 (BV786).

Expand your multicolor panels with dyes for the UV laser, BD Horizon Brilliant™ Ultraviolet 395 (BUV395), BD Horizon Brilliant™ Ultraviolet 496 (BUV496), BD Horizon Brilliant™ Ultraviolet 661 (BUV661), BD Horizon Brilliant™ Ultraviolet 737 (BUV737), BD Horizon Brilliant™ Ultraviolet 805 (BUV805), and our newest dye, BD Horizon Brilliant™ Ultraviolet 563 (BUV563).

Check out BD Horizon Brilliant™ Blue 515 (BB515), which offers a brighter alternative to FITC with less spillover into the PE channel. In addition, we now have BD Horizon™ APC-R700, which offers a brighter alternative to Alexa Fluor® 700.

Look for newly released products as we continue our commitment to provide more choices for multicolor assays.

BD OptiBuild™ reagents, a new line of custom products, offer more fluorochrome options for the antibodies you need. Whether it is minimizing compensation, or adding new markers to your complex experiments, BD OptiBuild reagents provide flexibility to evaluate new colors and simplify your panel design.

Look for reagents identified by tinted boxes and catalog numbers starting with “74” throughout the catalog.

More sizes

BD now offers a wide variety of antibody conjugates in small and large vial sizes.

Small sizes (25 test or 25 µg) are now available for hundreds of specificities.

- Use the small-size formats to determine feasibility of pilot experiments.
- Design and optimize multicolor panels with our small sizes.

Larger sizes (250 or 500 tests) are now available for many of the common markers.

- Use this convenient package size for routine assays or large studies.
- Easily obtain the same lot of conjugate for the duration of a study.
- Larger sizes are formulated to have small volumes per test (5 µL/test), optimal for multiplexing with other conjugates.

BD Biosciences Fluorochrome Specifications

Use our fluorochrome specifications chart to determine which fluorochromes are excited by the lasers on your instrument. Visit bdbiosciences.com/colors for more detailed information about our newest fluorochromes and instrumentation, as well as tools to help you build multicolor panels.

Fluorochrome	Fluorescence Emission		Excitation Laser Line		Analyzers						Sorters					
	Color	Ex-Max (nm)	Ex-Max (nm)	(nm) [†]	Em-Max (nm)	BD Accuri™	BD FACScalibur™	BD FACVerse™ *	BD FACScellect™ **	BD FACScanto™ II	BD LSRFortessa™	BD LSRFortessa™ X-20	BD FACSAria™ Product Family	BD Influx™	BD FACSMelody™***	BD FACSDazz™
BD Horizon™ BUV395	Violet	348	355	395												
Hoechst 33342	Blue	350	355, 375	461												
BD Horizon™ BV421	Blue	407	405	421												
BD Horizon™ V450	Blue	404	405	448												
Pacific Blue™	Blue	401	405	452												
BD Horizon™ BV480	Green	436	405	478												
BD Horizon™ BUV496	Green	348	355	496												
BD Horizon™ V500	Green	415	405	500												
BD Horizon™ BV510	Green	405	405	510												
BD Horizon™ BB515	Green	490	488	515												
Alexa Fluor® 488	Green	495	488	519												
FITC	Green	494	488	519												
BD Horizon™ BUV563	Green	348	355	563												
PE	Yellow	496, 564	488, 532, 561	578												
BD Horizon™ BV605	Orange	407	405	602												
BD Horizon™ PE-CF594	Orange	496, 564	488, 532, 561	612												
PI	Orange	351	488, 532, 561	617												
7-AAD	Red	543	488, 532, 561	647												
BD Horizon™ BV650	Red	407	405	650												
APC	Red	650	633, 635, 640	660												
BD Horizon™ BUV661	Red	348	355	661												
Alexa Fluor® 647	Red	650	633, 635, 640	668												
PE-Cy™5	Red	496, 564	488, 532, 561	667												
PerCP [‡]	Red	482	488, 532	678												
PerCP-Cy™5.5	Far Red	482	488, 532	695												
BD Horizon™ APC-R700	Far Red	652	633, 635, 640	704												
Alexa Fluor® 700	Far Red	696	633, 635, 640	719												
BD Horizon™ BV711	Far Red	407	405	711												
BD Horizon™ BUV737	Far Red	348	355	737												
PE-Cy™7	Infrared	496, 564	488, 532, 561	785												
APC-Cy7	Infrared	650	633, 635, 640	785												
BD™ APC-H7	Infrared	650	633, 635, 640	785												
BD Horizon™ BV786	Infrared	407	405	786												
BD Horizon™ BUV805	Infrared	348	355	805												

* Capable of detecting up to 8 colors simultaneously (488 nm laser available on all configurations; 405 nm and 640 nm lasers available on select configurations).

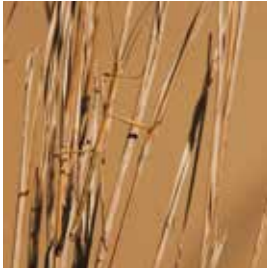
** Capable of detecting up to 12 colors simultaneously (488 nm and 405 nm lasers available on all configurations; 355 nm, 561 nm, and 640 nm lasers available on select configurations).

*** Capable of detecting up to 9 colors simultaneously (488 nm laser available on all configurations; 405 nm and 640 nm lasers available on select configurations).

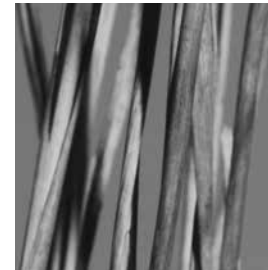
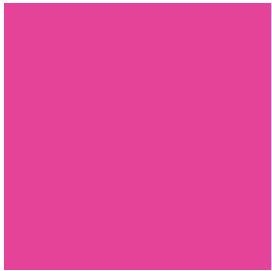
† The excitation laser line represents commonly used lasers that excite the fluorochrome. It does not necessarily reflect the lasers available for each particular instrument.

‡ Sensitivity for PerCP with high-power lasers (>25 mW) is reduced and is only recommended for known highly expressed markers.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.



Megaphasma denticrus, or giant walking stick, manages to remain hidden despite being the longest insect in North America. Primarily found in Texas where this specimen was photographed, the species grows to over 6 inches and is thought to range in wooded areas and grasslands across the southern United States.



Contents



Human Antibody Reagents

Surface Markers	6 – 49
Intracellular Cytokines and Chemokines	50 – 55
Intracellular Cell-Signaling and Transcription Factors	56 – 73



Mouse Antibody Reagents

Surface Markers	76 – 105
Intracellular Cytokines and Chemokines	106 – 107
Intracellular Cell-Signaling and Transcription Factors	108 – 115



Non-Human Primate Antibody Reagents

Surface Markers	118 – 127
Intracellular Cytokines and Chemokines	128 – 129
Intracellular Cell-Signaling and Transcription Factors	130 – 131

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)													
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6								
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD1a	HI149	Hu	+	+	+	-	+	-										565300						563939 563938		566157 566147		563482 563481					
	SK9	Hu	+	+	+	-	+	-																									
CD1b	M-T101	Hu	+	+	+	-	+	-																									
CD1c	F10/21A3	Hu	+	+	+	-	+	-																565051 565050									
CD1d	CD1d42	Hu	+	+	+	-	-	-																			563507 563506						
CD2 (LFA-2)	RPA-2.10	Hu	+	+	+	-	-	-											563820 563819					562667 562639				740160	740391	740561	740767	740960	
	L303.1	Hu	+	+	+	-	-	-																									
	S5.2	Hu	+	+	+	-	-	-																	644485*								
CD3	HIT3a	Hu	+	-	-	-	-	-											740283						740073			564713	564712	740562	740768	740961	
	SK7	Hu	+	-	-	-	-	-											564000 564001					565466	565511	563797 563798			740202	563217 563219	564003 563999	740832	563799 563800
	SP34-2	Hu																									740187			740807			
	UCHT1	Hu	+	-	-	-	-	-											563548 563546	564809 564810		565066 565065	564308 564307	565515	562427 562426	560366 560365 561812'	566166 566105	561417 561416	563109		563851 563852	563724 563725	565491
CD4	RPA-T4	Hu	+	-	-	+	+	-											564724						562425 562424	560346 560345 561838'		560769 560768	740161	562659 562658	740563	740769	740962
	SK3	Hu	+	-	-	+	+	-											563552 563550	564652 564651	566000	566003	564306 564305	564911 564910	565997		566165 566104	562971 562970	565998	563876 563875	563033 563028	563881 563877	
CD4 v4	L120	Hu																															
CD5	L17F12	Hu	+	+	-	-	-	-																		644487*							
	UCHT2	Hu	+	+	-	-	-	-											740284						562646	561154	566193 566192		563380 563381	563945	740564	563170	740963
CD6	M-T605	Hu	+	+	-	-	-	-																	564259								



+ Positive⁵ - Negative

⁵Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD1a		560945 555806		561754 555807		555808				561754 555807		555808		561755 559775						
				341651*						341651*	747474			747474						747474
CD1b		555969																		
CD1c	565055 565054			564900				565424		564900					565049 565048					
CD1d				561757 550255						561757 550255				563626 563505						
CD2 (LFA-2)	566026 565264	561759 555326		561760 555327	562319 562300	555328		560643		561760 555327	562319 562300	555328		560642					562638	555325
									335786*				335786*							
		347593*		347597*						347597*				341022*						
CD3	565101 565100	555339 561802		561803 555340		561006 555341				561803 555340		561006 555341		555342						555338
	564561 564560			347347*			347344*	340949*	560910 341091* 557851	347347*			560910 341091* 557851	340440*				561800 341090* 557832	560275 560176 641397*	
	564466 564465	561806 555332 555916 561807*	557694	561808 555333 561809†	562310 562280	561007 555334		560835	563423	561808 555333 561809	562310 562280	561007 555334	563423	561810 555335 561811†	557706	565120 565119	561027 557943			
CD4	564420 564419	561005 555346 561842†	557695	561843 555347 561844†	562316 562281	561004 555348		560650	560649	561843 555347 561844†	562316 562281	561004 555348	560649	561840 555349 561841†	557707	564976 564975	561030 557922	561839 557871	560251 560158	555345
	565996			565999 347327*		566004	347324*	341654*	560909 348789* 557852	565999 347327*		566004	348789* 557852	565994 340443*		565995		341095*	641398*	347321*
CD4 v4		340422*		340419*						340419*										
CD5		347303*		347307*				341089*	348790*	347307*			348790*	340583*						347301*
	564648 564647	561896 555352		561897 555353		555354				561897 555353		555354		561003 555355		565122 565121	561159	563516		555351
CD6		555357		555358						555358					564260					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																																							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6																																	
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786																										
CD7	4H9	Hu	+	-	+	-	-	-																																																		
	M-T701	Hu	+	-	+	-	-	-											565979 563845						562635	642916*	566191 566119		563650	740392	740565	564018	740964																									
CD8	G42-8	Hu																																																								
	HIT8a	Hu							740303															740078				740175	740411	740587	740788	740988																										
	RPA-T8	Hu							563796 563795	564805 564804	565696 565695								562429 562428	560348 560347	566163 566121	560775 560774		563256				563822 563821	563677 563676	563824 563823																												
	SK1	Hu																					564628 564629	564913 564912	740093			561617	563919	564115 564116	565289																											
CD8b	2ST8.5H7	Hu	+	-	-	-	-	-																																																		
CD9	M-L13	Hu	+	+		+	+	+																	561326			563640																														
CD10	HI10a	Hu	-	-	+	-	-	-																										565975 563871	564959	562902				563032	562978	563734	740770	564960														
	W8E7	Hu	-	-	+	-	-	-																																																		
CD11a (Integrin α^x chain, LFA-1 α)	HI111	Hu ^t	+	+	+	+	+	-																														565280					563480 563479															
	G-25.2	Hu	+	+	+	+	+	-																																																		
	G43-25B	Hu	+	+	+	+	+	-																																																		
CD11b (CR3)	D12	Hu	+	+	+	+	+	-																																																		
CD11b/Mac-1 (CR3)	ICRF44	Hu ^t	+	+	+	+	+	-																																				562632	560481 560480			563088		740566	740771	740965						
CD11c (Integrin α^x chain)	B-Iy6	Hu	+	+	+	+	+	-																																			563788 563787					565068 565067		562561	560370 560369	566184 566135		563026	563930 563929	563403 563404	563130	740966
CD11c (ITGAX, CD11C Integrin α^x chain)	3.9	Hu ^t	+	+	+	+	+	+																																						565807 565806												
	S-HCL-3	Hu																																																								
CD13	L138	Hu	+	-	-	+	+	-																																																		
	WM15	Hu	+	-	-	+	+	-																																							740285				562596				740162	740393	740567	740772

+ Positive^s - Negative

^sPositive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD7		347483*																		
	565211	561933 340737* 555360		561934 340581* 555361		555362		561602	564019	561934 340581* 555361		555362		561604			561603		564020	
CD8		551347																		
		560960 555634		560959 555635		561946 555636				560959 555635		561946 555636								
	564527 564526	561947 555366 561948*	557696	561949 555367 561950†	562311 562282	561951 555368		560662	560917 557746	561949 555367 561950†	561311 562282	561951 555368	560917 557746	561952 555369 561953†	557708	565166 565165	561026 557945			555365
CD8b		347313*					347314*	341051* 565310	335787*				335787*	340584*		565192		561945 348793* 557834	560273 560179 641400*	
CD9				641057*						641057*				641058*						
CD9		341646* 555371		341647* 555372	563641			341649* 561329		341647* 555372	563641			341648*						
CD10	564639 564638	340925*		561002 340921* 555375	562396	561676 555376		563508	341092* 565282	561002 340921* 555375	562396	561676 555376	341092*	340923*			563509			
		347503*																		
CD11a (Integrin α ^L chain, LFA-1α)		555383		555384		551131			561387	555384		551131	561387	559875		565771				
		347983*																		
		555379		555380						555380										
CD11b (CR3)			347557*						347557*					340937*						
CD11b/Mac-1 (CR3)	564518 564517	562793	561687 557701	561001 555388		561686 555389			561685 557743	561001 555388		561686 555389	561685 557743	561015 550019			557918	560914 557754	555387	
CD11c (Integrin α ^X chain)	564491 564490	561355		560999 555392	562393	561692 551077		565227	561356	560999 555392	562393	561692 551077	561356	560895 559877			561352			
CD11c (ITGAX, CD11C Integrin α ^X chain)																				
				347637*						347637*					340544*					
CD13				347837*					338425*	347837*			338425*							
	566034 564649			560998 555394	562491			561361	561599	560998 555394	562491		561599	561698 557454		565124				

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)												
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6							
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD14	M5E2	Hu ^t	-	-	-	+	+		740286									564445 564444	565780 565779				565283	561390		561392 561391	740163	564055 564054	563420 563419	740773	563699 563698	
	M _q P9	Hu	-	-	-	+	+		563562 563561														563744 563743	560350 560349	566190 566141	562693	563079		740633	563373 563372	741034	
CD15	HI98	Hu	-	-	-	+	+		563872															561584		561585			564232		563838	
	MMA	Hu	-	-	-	+	+																	642917*								
	W6D3	Hu	-	-	-	+	+		740318														740086				563141	562979 562980	740613	563142	741013	
CD15s	CSLEX1	Hu	+	+		+	+																563912			563529			563910			
CD16	3G8	Hu ^t	+	-	+	+	+		563784 563785	564654 564653			564433 564434										562878 562874	560475 560474 644489*	566171 566108	561393 561394	563829 563830	563173 563172	563691 563692	563127	563689 563690	
	B73.1	Hu	+	-	+	+	+		740332															740098	561310		740203	740436	740639	740833	741042	
	NKP15	Hu	+	-	+	+	+																									
CD16b	CLB-gran11.5	Hu																														
CD17	G035	Hu	+	+	+	-	+	+																								
CD18 (Integrin β ₂ chain, CR3/CR4)	L130	Hu	+	+	+	+	+	+																								
	6.7	Hu ^t	+	+	+	+	+	+																562871								
CD19	4G7	Hu	-	+	+	-	-	-																								
	HIB19	Hu	-	+	+	-	-	-	740287															562441 562440	560354 560353		561125 561121	740164	740394	740568	740774	740968
	SJ25C1	Hu	-	+	+	-	-	-	563551 563549	564656 564655	565698 565697		564304 564303											644491*	566164 566103		562953 562947	562654 562653	563227 563226	563038 563036	563326 563325	
CD20	2H7	Hu	+	+	-	-	-	-	563781 563782				564431 564432	564918 564917	562873										566181 566132		563067	563783	563779 563780	563126		
	H1	Hu	+	+																				563346								
	L27	Hu	+	+	-	-	-	-	740204															740002	642274* 561164			740101	740333	740439	740644	740838
CD21 (CR2)	B-ly4	Hu ^t	+	+	+	-	-		740288			564595 564437											566260 562966	561381			740165	740395	740569	563163	740969	

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD14		561712 555397	561706 557700	561707 555398				561116 550787	560919 557742	561707 555398			560919 557742	561708 555399			561029 557923			
		347493*	562689	347497* 562691	562334 562335		340585*	562692	562698	347497* 562691	562334 562335				340436*	562690			561709 333945* 557831	560270 560180 641394*
CD15	565236	560997 555401		561715 555402	562463			560828	560827	561715 555402	562463		560827	561716 551376						
		347423*																		
		562370		562371	562372					562371	562372				562369					
CD15s			563528		563527						563527				563526					
CD16		560996 555406		560995 555407	562320 562293	561725 555408		338426* 560717	560918 557744	560995 555407	562320 562293	555408 561725	560918 557744		561724 557710		557920 560713	561726 557758	560248 560195	555405
		561308		347617* 561313				565421	335788*	347617* 561313			335788*	561304					561306	
		347523*																		
CD16b				550868						550868										
CD17				566012						566012										
CD18 (Integrin β ₂ chain, CR3/CR4)		347953*																		
		555923		555924		557528				555924		557528		551060						
CD19		347543*					347544*													
	564457 564456	560994 555412	561741 557697	555413	562321 562294	560993 555414		561295	560728	561741 555413	562321 562294	560993 555414	560728	561742 555415		564978 564977	561031 557921		560727	555411
		340409*		340364*				340421*	340951*	560911 341093* 557835	340364*			560911 341093* 557835	340437*				561743 348794* 557791	560252 560177 641395*
CD20	564569 564568	560962 555622		560961 555623	562322 562295	561761 555624		560736	560735	560961 555623	562322 562295	561761 555624	560735	560900 559776			560631		560734	
		347673*		346595* 347201*				347674*	340955*	335793*	346595* 347201*			335793*	340941*				335794*	641396*
CD21 (CR2)		561372		561768 555422	563474	551064			561374	561768 555422	563474	551064	561374	561767 559867						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD22 (BL-CAM)	HIB22	Hu	+	+	-	-	-	-	-	-	-	740289						563940				740166	740396	740570	740775	740970	
	S-HCL-1	Hu	-	+	-	-	-	-	-	-	-																
CD23	EBVCS-5	Hu	+	+	+	+	+	+	+	+	+																
	M-L233	Hu	+	+	+	-	+	+	+	-	+	565978 564203						562707				740178	740414	740591	740790	740993	
CD24 (Heat stable antigen)	ML5	Hu	+	+	-	-	+	-	-	+	+	566221 563818						562789				563035	562788	563720	563371 563401	740971	
CD25 (IL-2 receptor α chain)	2A3	Hu	+	+	-	+	+	-	-	-	-	564034		565700 565699		564386 564385		564033				740198	562661 562660	740634	563159	741035	
	M-A251	Hu	+	+	-	+	+	-	-	-	-	740290						562443 562442	560356 560355	566160 566102		563351 563352	740397	563718 563719	740776	563700 563701	
CD26	L272	Hu	+	+	-	+	+	-	-	-	+																
	M-A261	Hu	+	+	-	+	+	-	-	-	+																
CD27	L128	Hu	+	+	-	+	-	-	-	-	-	563816 563815				564302 564301				566188 566139	563090 563092	562656 562655	563229 563228	563167	563328 563327		
	M-T271	Hu [†]	+	+	-	+	-	-	-	-	-	740291							560458 560448		561223 561222	740167	740398	564894	564893	740972	
CD28	CD28.2	Hu	+	-	-	-	-	-	-	-	-	740308				564438		562613	561377	566173 566110		563075	562976	740593	563131	740996	
	L293	Hu	+	-	-	-	-	-	-	-	-																
CD29 (IL-2 Receptor β ₁ chain)	MAR4	Hu	+	+	+	+	+	+	+	+	+	565414										563514 563513				564815	
	HUTS-21	Hu	+	+	+	+	+	+	+	+	+																
CD30 (Ki-1)	BerH8	Hu	+	+		+	+	-	-	-	+							566253 562876									
	Ber-H83	Hu	+	+		+	+	-	-	-	+																
CD31 (PECAM-1)	L133.1	Hu	+	+		+	+	+	+	-	+																
	M89D3	Hu	+	+		+	+	+	+	-	+																
	WM59	Hu	+	+		+	+	+	+	-	+	565290						564089	561653	566195 566144		563454	562855	740571	740777	740973	
CD32 (FcγRII)	3D3	Hu																									
	FLI8.26	Hu										740292						564838				740168	740399	740572	564839	564840	

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3	4			5	1	2	3	4	1		2		3			
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD22 (BL-CAM)		561771 555424		562859		555425		563942	563941	562859		555425		562860							
		347573*		347577*						347577*				340933*							
CD23				341007*						341007*				340935*							
		564555	561146	561774 555711				561166	561167	561774 555711			561167	558690			563673			555709	
CD24 (Heat stable antigen)	564522 564521	560992 555427		560991 555428	562405			561647	561646	560991 555428	562405		561646		561644	565106 565107					
CD25 (IL-2 receptor α chain)	564468 564467	347643*		341009*					335789*	341009*			335789*	340939*							
	565096	560990 555431		560989 555432	562403	560988 555433		560503	560920 557741	560989 555432	562403	560988 555433	560920 557741	560987 555434			561398	561782 557753	560244 560225		
CD26		340426*		340423*						340423*											
		555436		555437	565158					555437	565158			563670							
CD27		340424*		340425*						340425*				337169*							
		564643 564642	560986 555440		560985 555441	562324 562297			560612	560609	560985 555441	562324 562297		560609	561786 558664		565116	560611		560223 560222	
CD28	564493 564492	561790 555728		561793 555729	562323 562296	561791 555730			560684	561793 555729	562323 562296	561791 555730	560684	561792 559770		565181				561368	555727
				348047*				337181*		348047*											
CD29 (IL-2 Receptor β ₁ chain)	564565			561795 555443		559882				561795 555443		559882		561794 559883							
				556049						556049											
CD30 (Ki-1)		555829		550041						550041				563500						555828	
		341644*		341645*						341645*											
CD31 (PECAM-1)				340297*						340297*											
			558068												558094						
	564630	560984 555445		560983 555446	563652				563651	560983 555446	563652		563651		561654			563653			
CD32 (FcγRII)		552883		552884						552884											
		555448		550586						550586				559769							

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)														
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6								
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD33	HIM3-4	Hu	-	-	+	+	+	+																									
	P67.6	Hu	-	-	+	-	+	+	-	-	-	-	-	-	-	-	-																
	WM53	Hu	-	-	+	-	+	+	-	-	-	-	-	-	-	-	-	740293						565949 562854	561157		563257	740400	740573	563171	740974		
CD34 (gp 105-120)	563	Hu	-	-	-	-	-	-	-	-	-	-	+	+										740081					740605	740803	741007		
	581	Hu	-	-	-	-	-	-	-	-	-	-	+	+			563778						562577										
	8G12	Hu	-	-	-	-	-	-	-	-	-	-	+	+																			
CD35 (CR1)	E11	Hu	+	+	+	-	+	+	-	+							565328						565327										
CD36	CB38 (NL07)	Hu	-	-	+	-	+	-	+	+	+	-	+				565422							561535			563518						
CD37	M-B371	Hu	+	+		-	+	+	-	-														561548									
CD38	HB7	Hu	+	+	+	+	+	-									563812 563811				564686		740097	646851*				562666 562665		740830	741040		
	HIT2	Hu	+	+	+	+	+	-									740294	564658 564657		565070 565069			562445 562444	561378	566186 566137		563251	740401	740574	563965	563964		
CD39 (ENTPD1, NTPDase)	TÜ66	Hu	+	+	+	+	+		-		+	+									564726		566267 563679						563681	563680			
CD40	5C3	Hu	-	+	+	-	+	-									565202						563396			563456	740410	740584	563397	740985			
CD41a	HIP8	Hu															740295							740074	561425		563250	740402	740575	740778	740975		
CD41b	HIP2	Hu																					563312										
CD42a	ALMA.16	Hu	-	-	-	-	-	+	-	-	-	-	+								565443		565444										
	Beb1	Hu	-	-	-	-	-	+	-	-	-	-	+																				
CD42b	HIP1	Hu	-	-	-	-	-	+	-	-	-	-	+			740296							740075			740169	740403	740576	740779	740976			
CD43 (Leukosialin)	1G10	Hu	+	-		+	+	+	-														562916			563377	563378						

+ Positive⁵ - Negative

⁵Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD33		561818 555626																		
		340533*		347787*				341650*	333946*	347787*			333946*	340474*						
	564588			561816 555450		551377				561816 555450		551377		561817 551378			561160			
CD34 (gp 105-120)				550761						550761										
		560942 555821		560941 555822		561819 555823			560710	560941 555822		561819 555823	560710	560940 555824			561440		564669	
		348053*		348057*			340430*	347203*	348791*	348057*			348791*	340441*						
CD35 (CR1)	566021 565330	555452		559872						559872					565329					
CD36		561820 555454		561821 555455				561536		561821 555455										
CD37		555457		561546				561563		561546					561562					
CD38		340927*		342371* 347687*					335790*	342371* 347687*			335790*	340439*						
	564499 564498	560982 555459		560981 555460	562325 562288	561823 555461		561106 551400	560677	560981 555460	562325 562288	561823 555461	560677	560980 555462		564980 564979	560676			
CD39 (ENTPD1, NTPDase)	565469	561444		555464	563678			564899		555464	563678			560239						
CD40	565927 565258	561847 555588		560963 555589		555590			561215	560963 555589		555590	561215			565179	561208		561211	
CD41a	565938 565237	561851 555466		560979 557297 555467		559768		340931*	561424	560979 557297 555467		559768	561424	561852 559777					561422	
CD41b		555469																		
CD42a		561853 558818		558819						558819										
		348083*					340537*													
CD42b		561855 555472		561854 555473	565427	551141				561854 555473	565427	551141								
CD43 (Leukosialin)	564542	560978 555475		560199				563521	563522	560199			563522	560198						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																		
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6												
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786					
CD44 (Pgp-1, H-CAM, Ly24)	515	Hu	+	+	+	+	+	+																													
	G44-26	Hu	+	+	+	+	+	+	740297																												
	L178	Hu	+	+	+	+	+	+																													
CD45 (Leucocyte common antigen)	2D1	Hu	+	+	+	+	+	+																642275*													
	D058-1283	Hu	+	+	+	+	+	+																740084													
	HI30	Hu	+	+	+	+	+	+	563791 563792															564915 564914	563880 563879	560368 560367	566156 566115	560779 560777	563204	564048 564047	563717	564358 564357	563716				
CD45R/B220	RA3-6B2	Hu [†]							563793															562922	560473 560472		561227 561226	563103	563708	563893	563892	563894					
CD45RA	5H9	Hu							740315																												
	HI100	Hu	+	+	+	+	+	+	740298																562885	560363 560362	566155 566114	561640	563031	562886	563963	563733	563870				
	L48	Hu	+	+	+	+	+	+																													
CD45RB	MT4	Hu	+	+	+	+	+																														
CD45RO	UCHL1	Hu	+	+	+	+	+	+	564292 564291																												
CD46 (MCP)	E4.3	Hu	+	+	+	+	+	+																													
CD47 (IAP)	B6H12	Hu	+	+	+	+	+	+																													
CD48 (BCM1)	TÜ145	Hu	+	+	+	+	+	+																													
CD49a (Integrin α_1 chain)	ILA1	Hu	+		+	+	+	+																													
	SR84	Hu	+	-	+	+	+	+																													
CD49b (Integrin α_2 chain)	12F1	Hu	+	+	+	+	+	+																													
	AK-7	Hu	+	+	+	+	+	+																													
CD49c (Integrin α_3 chain)	C3 II.1	Hu	+	+	+	+	+	+																													

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD44 (Pgp-1, H-CAM, Ly24)				550989						550989										
	564583 564582	560977 555478		561858 555479	562818			560531	560533	561858 555479	562818		560533	560890 559942			561289		560532	555477
		347943*																		
CD45 (Leucocyte common antigen)		347463*																	561863 348795* 557833	560274 560178 641399*
	564586 564585	560976 555482 561865*		560975 555483 561866†	562312 562279	560974 555484		564106 564105	560915 557748	560975 555483 561866†	562312 562279	560974 555484	560915 557748	560973 555485 561864†			560566			555481
CD45R/B220		561877 553087 553088	557669	561878 553089 553090	562313 562290	561879 553091	561086 553093	561101 552771	561881 552772	561878 553089 553090	562313 562290	561879 553091	561881 552772	561880 553092	557683		557957	561102 552094		553085 553086
CD45RA				565419							565419									
	564552	561882 555488		561883 555489	562326 562298	561885 555490		563429	560675	561883 555489	562326 562298	561885 555490	560675				560673		560674	555487
		347723*							337167*				337167*							
CD45RB			555904						555904											
CD45RO	564530 564529	561887 555492		561889 347967* 555493	562327 562299	561888 555494		560607	337168* 560608	561889 347967* 555493	562327 562299	561888 555494	337168* 560608	560899 559865 340438*			561136		561137	
CD46 (MCP)		555949		564252						564252				564253						
CD47 (IAP)		556045		556046				561261		556046					561249					
CD48 (BCM1)		555759		552855	562717					552855	562717									
CD49a (Integrin α ₁ chain)																				
CD49b (Integrin α ₂ chain)				559596						559596										
				555669	564121					555669					564118					
CD49c (Integrin α ₃ chain)		555498		564317										564314						
CD49c (Integrin α ₃ chain)				556025						556025										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6										
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786			
CD49d (Integrin α_4 chain)	9F10	Hu [†]	+	+	+	+	+	-	-	-	+											565296			565277		566183 566134		563458				563177		
	L25	Hu	+	+	+	+	+	-	-	-	+																								
CD49e (Integrin α_5 chain)	IIA1	Hu [†]	+		+	+					+	+	+																						
CD49f (Integrin α_6 chain)	GoH3	Hu [†]	+			+		+		+	+	+	+					564958											563271		563706 563707				
CD50 (ICAM-3)	TÜ41	Hu	+	+		+	+	+	-	-	+	-	+																					564212	
CD51	NKI-M9	Hu				+	-	+		+																									
CD51/61	23C6	Hu [†]																																	
CD52	4C8	Hu	+	+	+		+	+																					563305						
CD53	HI29	Hu	+	+	-	+	+	+	-	-																									
CD54 (ICAM-1)	HA58	Hu	+	+		+					+													566262 564077			740170	740404	740578	564078	740978				
	LB-2	Hu	+	+		+					+													740094											
CD55 (DAF)	IA10	Hu	+	+		+	+	+	+	+	+	+	+																						
CD56 (N-CAM)	B159	Hu	+			+												740299							740076	560361 560360			740171	740405	740579	740781	740979		
	MY31	Hu	+			+																													
	NCAM16.2	Hu	+			+												563555 563554		565705 565704		564448 564447			566162 566124		563041	562779 562780	564057	563169	564058				
	R19-760	Hu	+			+																													
CD57	HNK-1	Hu	+			+																													
	NK-1	Hu	+			+																			563896					563895					
CD58 (LFA-3)	1C3	Hu [†]	+	+	+	+	+	+		+	+	+													566239 564363					564362					
	L306.4	Hu	+	+	+	+	+	+		+	+	+																							
CD59	p282 (H19)	Hu	+			+	+	+		+															565982 564329										

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD49d (Integrin α_4 chain)	564593	560840		560972 555503	563645	559880		563644		560972 555503	563645	559880		561892 559881						
				340296*						340296*										
CD49e (Integrin α_5 chain)				561894 555617						555617					563578				555616	
CD49f (Integrin α_6 chain)		561893 555735		561894 555736	562493 562474	551129		562495 562475		561894 555736	562493 562474	551129			562494 562473					
CD50 (ICAM-3)		555958		564209						564209										
CD51															565835					
CD51/61		555505		550037						550037										
CD52			563609	562945						562945					563610				563611	
CD53				555508						555508										
CD54 (ICAM-1)	564685			560971 555511		555512				560971 555511		555512		561899 559771					559817	
				347977*						347977*										
CD55 (DAF)	565939 565027	561900 555693		561901 341030* 555694		555695				561901 341030* 555694		555695		555696					555692	
CD56 (N-CAM)	564489 564488	562794	561905 557699	561903 555516	562328 562289	561904 555517		560842	560916 557747	561903 555516	562328 562289	561904 555517	560916 557747	555518	557711		561902 557919		555515	
				347747*						347747*										
		340410*		340363*	564849				335791*	340363*	564849		335791*	341025*						
				563238						563238					563443					
CD57		347393*																	347391*	
	565945 565285	561906 555619		560844	562488					560844	562488			560845						
CD58 (LFA-3)		561907 555920		555921		551399				555921		551399			563567					
				340295*						340295*										
CD59		560954 555763		560953 555764						560953 555764									555762	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD61 (Integrin β ₃ chain)	VI-PL2	Hu ^t																									
	RUU-PL7F12	Hu																									
CD62E (E-selectin)	68-5H11	Hu																563360						563359		563358	
CD62L (L-selectin)	SK11	Hu	+	+		+	+					565219														565039	565312
	Dreg 56	Hu	+	+		+	+					740301						563862	560441 560440	566174 566111		563203		563808	740783	740981	
CD62P (P-selectin)	AC1.2	Hu ^t																									
	AK-4	Hu																564037 564038						564035 564036		563714 563715	
CD63	H5C6	Hu ^t	+	+	-	+	+	+				740310						740080	561984			740182	740419	740601	740800	741004	
CD64	10.1	Hu										740300					564426 564425	562872	561202	566178 566129		563459	740406	740580	740782	740980	
CD65	VIM8	Hu	-	-		+	+																				
CD65s	VIM2	Hu																									
CD66 (CEA, carcino-embryonic antigen)	B1.1/CD66	Hu	-	-		-	+	-	-	-		740314						562741				740185	740423	740607	740805	741009	
CD66b	G10F5	Hu	-	-		-	+	-	-	-								562940	561649								
CD66c (CEA, carcino-embryonic antigen)	B6.2/CD66c	Hu	-	-		-	+	-	-	-																	
CD68	Y1/82A	Hu	+	+	+	+	+	-	-									564943								565594	
CD69 (Very early activation antigen)	FN50	Hu ^t	+	+		+	+	+				564364						562884	560740				562989	563835	563836	563834	
	L78	Hu	+	+		+	+	+																			
CD70	Ki-24	Hu	+	+	-	-	-	-	-	-						565339											565338
CD71 (Transferrin receptor)	L01.1	Hu	-	-	-	-																					
	M-A712	Hu	-	-	-	-												562995							563767	563768	
CD72	J4-117	Hu		+		-	+	-	-																		

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD61 (Integrin β ₃ chain)	565123	561913 555753		561912 555754				564173		561912 555754				564174						
		348093*					340506*													
CD62E (E-selectin)				551145		550040				551145		550040		551144						555649
CD62L (L-selectin)	565038 565037	347443*		341012*						341012*					565062 565063					
	564743 564742	561914 555543		555544	562330 562301	561915 555545		565535	555544	562330 562301	561915 555545			561916 559772						
CD62P (P-selectin)				348107*						348107*										
	564636	561922 555523		561921 555524		551142				561921 555524		551142		561920 550888						
CD63		561926 557288		561925 556020	565403			565426	561982	561925 556020	565403		561982		561983					
CD64		560970 555527		561926 558592 644385*	565389			561194	561191	561926 558592 644385*	565389		561191	561189			561188		561190	555526
CD65				565858						565858										
CD65s				565459						565459										
CD66 (CEA, carcino-embryonic antigen)		551479		551480						551480										
CD66b	564679	561927 555724		561650				562254		561650					561645					
CD66c (CEA, carcino-embryonic antigen)		551775		551478						551478										
CD68		562117		556078	564944				565595	556078	564944				562111					
CD69 (Very early activation antigen)		560969 555530		560968 555531	562617	555532			561928 557745	560968 555531	562617	555532	561928 557745	560967 555533		565155 565154	560739	560912 557756		
		347823*		341652*			340548*		335792*	341652*			335792*	340560*						
CD70	565156	555834		561935 555835	562484					561935 555835	562484									
CD71 (Transferrin receptor)		347513*												341028*						
		561939 555536		561938 555537		551143				561938 555537		551143		561940 551374			563769		563671	555535
CD72		555918																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)													
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6								
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD73 (Ecto-5'-nucleotidase)	AD2	Hu	+	+	+	-	-	-	-	+	+	+												565395	562431 562430	561255			563198	563199			
CD74	M-B741	Hu	+	+	+	-	+	-	-	+	-	-	-																				
CD75	LN1	Hu	+	+	+	-	+	-	-	+	-	-	-																				
CD77	5B5	Hu	-	+	-	-	-	-	-	+	+	-	-				563630																
CD79a (Igα, mb-1)	HM47	Hu ^t	-	+	-	-	-	-	-	-	-	-	-											566225									
CD79b (Igβ)	3A2-2E7	Hu																															
	CB3-1	Hu	-	+	-	-	-	-	-	-	-	-	-											565297									
	SN8	Hu	-	+	-	-	-	-	-	-	-	-	-																				
CD80 (B7-1)	BB1	Hu	+	+	+	-	+	-	-	-	-	-	-																				
	L307.4	Hu	+	+	+	-	+	-	-	-	-	-	-	565210										566263 564160	560444 560442			563084	563315	564158	740801	564159	
CD81 (TAPA-1)	JS-81	Hu	+	+	+	+	+	-	-	+	+	+		740307										740079				740177	740413	740590	740789	740992	
CD82	423524	Hu	+	+	+	+	+	+	-	+	+	+																					
CD83	HB15e	Hu ^t	-	+	+	-	-	-	-	-	-	-	-	740311										566264 562630			563223	740420	740602	740802	565336		
CD85a (ILT5)	222821	Hu	+	-	+	-	+	+	-	-	-	-	+																				
CD85d (ILT4)	287219	Hu	-	-	+	-	+	+	-	-	-	-	-																				
CD85g (ILT7)	17G10.2	Hu				+																		562578									
CD85j	GHI/75	Hu	+	+	+	+	+	-	-	-	-	-	-																				
CD85k (ILT3)	ZM3.8	Hu	-	-	+	-	+	+	-	-	-	-	+																				
CD86 (B70/B7-2)	IT2.2	Hu	+	+	+	-	+	-	-	-	+	-	-																				
	2331 (FUN-1)	Hu ^t	+	+	+	-	+	-	-	-	+	-	-	740305										564428	562433 562432	560359 560357	566180 566131		563460 563461	562999	563411 563412	563158	740990
CD87	VIM5	Hu	+	-	+	+	+	-	-	+	-	-																					

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Visit bdbiosciences.com/colors for the most up-to-date product listings.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

74xxxx

BD OptiBuild reagents are identified by tinted boxes and catalog numbers starting with "74" throughout the catalog.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD73 (Ecto-5'-nucleotidase)	565110	561254		561014 550257	562817			561260	561258	561014 550257	562817		561258	560847						
CD74		555540																		
CD75		555654																		
CD77		551353			563631						563631				563632					
CD79a (Igα, mb-1)				340579* 555935 561942				341643*		340579* 555935 561942				340578* 551134						
	565225																			
CD79b (Igβ)				561943 555679		551063				561943 555679		551063		550955						
		335798*		335799* 557931						335799* 557931				335800*						
CD80 (B7-1)		555683																		555682
	565009 565008	560926 557226		560925 557227		559370			561135	560925 557227		559370	561135			565157	561133		561134	557225
CD81 (TAPA-1)		561956 551108		561957 555676	565428			565430		561957 555676	565428			561958 551112						
CD82															564341					
CD83		560929 556910		561959 550634 556855	562631	551058			561132	561959 550634 556855	562631	551058	561132	561960 551073						
CD85a (ILT5)															564469					
CD85d (ILT4)															564345					
CD85g (ILT7)				562320	562557					562320	562557			562355						
CD85j		555942		551053		551054				551053		551054								
CD85k (ILT3)				564181						564181					564182					
CD86 (B70/B7-2)				555665		555666				555665		555666								555664
	564545 564544	560958 555657		560957 555658	562390	555659		561129	561128	560957 555658	562390	555659	561128	555660		565149	561124			555656
CD87				555768						555768										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD88 (C5a receptor)	C85-4124	Hu	-	-	+	-	+	+	-	+	+	-	+	+	-	-	-																	
	D53-1473	Hu	-	-	+	-	+	+	-	+	+	-	+	+	-	-	-																	
CD89	A59	Hu	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-																	
CD90 (Thy-1)	5E10	Hu [†]	-	-	-	-	-	-	-	-	+	-	+	-	-	-	+	566219 563804							562556			563070	562686 562685	740585	740786	740986		
CD91	A2MR-α2	Hu	-	-	-	+	-	-	-	-	-	+	-	-	-	-	-																	
CD92	VIM15	Hu																																
CDw93 (C1qRp)	R139	Hu	-	-	-	-	+	+	-	-	+	-	-	-	-	-	-					564934												
CD94	HP-3D9	Hu	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-																	
CD95 (Fas/APO-1)	DX2	Hu [†]	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	740306					564710	566258 562616	561632		740176		740589	563132	740991			
CD96	6F9	Hu	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-														563174			
CD97	VIM3b	Hu	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-																	
CD98	UM7F8	Hu	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+																	
CD99	TÜ12	Hu	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+																	
CD100 (Sema4D)	A8	Hu	+	+	-	+	+	+	-	-	-	-	-	-	-	-	-																	
CD102 (ICAM-2)	CBR-1C2/2.1	Hu	+	+		+	-	-	-	-	+	-	-	-	-	-	-																	
CD103	Ber-ACT8	Hu	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	564346						566257 563882								563162		
CD104 (Integrin β ₄ chain)	439-9B	Hu	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+																	
CD105	266	Hu	-	-	-	+	-	-	-	-	+	+	+	+	+	+	+	565986 563803						566265 563920	561447		563264	562664	563466					
CD106 (VCAM-1)	51-10C9	Hu	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+					565418						563307						
CD107a (LAMP-1)	H4A3	Hu	+	-	-	+	+	-	+	+	+	+	+	+	+	+	+	565113						566261 562623	561345		563078						563869	
CD107b (LAMP-2)	H4B4	Hu	+	-	-	+	+	-	+	+	+	+	+	+	+	+	+	565303															565304	
CD108	KS-2	Hu	+	+				+																										

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD88 (C5a receptor)				552993						552993										
				550494						550494										
CD89				555686						555686										
CD90 (Thy-1)		561969 555595		561970 555596		561972 555597		561557	561558	561970 555596		561972 555597	561558	561971 559869						555594
CD91		550496		550497						550497										
CD92														565316						
CDw93 (C1qRp)		551531																		
CD94		555888		555889				562361		555889				559876						
CD95 (Fas/APO-1)		561975 340479* 555673		561976 340480* 555674		561977 559773		561655	561633	561976 340480* 555674		561977 559773	561633	561978 340481* 558814						555672
CD96	564774			562379						562379										
CD97		555773		555774						555774										
CD98	565948 565103	556076		556077						556077										
CD99		561986 555688		555689						555689										
CD100 (Sema4D)														564873						
CD102 (ICAM-2)	565932 564676			558080						558080				564677						
CD103	564578	561677 340945* 550259		340998* 550260						340998* 550260				563883						
CD104 (Integrin β ₂ chain)				555720						555720										
CD105	565251	561443		560839				560819		560839				561439						
CD106 (VCAM-1)	565417	551146		561679 555647		551148		563525		561679 555647		551148		551147						
CD107a (LAMP-1)		560949 555800		560948 555801		560947 555802			561348	560948 555801		560947 555802	561348	641581* 560664	562622	565184	561340		561343	555799
CD107b (LAMP-2)		560946 555804		565306		562628				565306	562628					565305				
CD108				552830						552830										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD109	TEA 2/16	Hu	+	-	-	-	-	+	+	+	+	+	+																					
CD110	1.6.1	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	562672																
CD111 (Nectin-1)	CK41	Hu																																
CD112 (PRR2)	R2.525	Hu	-																															
CD114 (G-CSF receptor)	LMM741	Hu	-	-																														
CD115	94D2-1E4	Hu																565347																
CD116 (GM-CSF receptor α chain)	hGMCSFR-M1	Hu	-	-	+	-	+	+	-	-								564045												564044				
	M5D12	Hu	-	-	+	-	+	+	-	-																								
CD117 (c-kit)	104D2	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	563856										562687	563859	740831	741041			
	YB5.B8	Hu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	562435 562434											740592	740791	740994			
CD119 (IFN-γ receptor α chain)	GIR-208	Hu	+	+		+	+	+																										
	GIR-94	Hu	+	+		+	+	+																										
CD120b (TNF receptor type II)	hTNFR-M1	Hu	+	+	+	+	+	+																										
CD122 (IL-2 receptor β chain)	Mikβ2	Hu	+	+		+	+	-	-	-	-																							
	Mik-β3	Hu	+	+		+	+	-	-	-	-							562887								563093								
	TU27	Hu	+	+		+	+	-	-	-	-																							
CD123 (IL-3 receptor α chain)	7G3	Hu	-	-	+	-	+											564195										564197	563405	740722	564196			
	9F5	Hu	-	-	+	-	+											740304									563072	740412	740588	563161	740989			
CD124 (IL-4 receptor α chain)	hIL4R-M57	Hu	+	+	-	-	+	-	-	-	-	+	+																					
CDw125 (IL-5 receptor α chain)	A14	Hu	-	+		-	-	+	-	-	-																							
CD126 (IL-6 receptor α chain)	M5	Hu	+	+	-	-	-											566244 564163																
CD127 (IL-7 receptor α subunit)	hIL-7R-M21	Hu	+	-																														

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD109				556040						556040										
CD110				562159	562416					562159	562416			562199	562188					
CD111 (Nectin-1)				565766						565766										
CD112 (PRR2)				551057						551057										
CD114 (G-CSF receptor)				554538						554538										
CD115	565346			565368						565368					564945					
CD116 (GM-CSF receptor α chain)				551373						551373					564046					
		554532																		
CD117 (c-kit)	565172			340529*				333944*	339195*	340529*			339195*	341096*						
				561682 555714	562407	559879		562094		561682 555714	562407	559879		561118 550412		565195				
CD119 (IFN-γ receptor α chain)				558934						558934										
				558937						558937										
CD120b (TNF receptor type II)				552418						552418					562909				552477	
CD122 (IL-2 receptor β chain)				554522						554522										
	566059 564688			554525						554525									554524	
				340254*						340254*										
CD123 (IL-3 receptor α chain)		561694 558663		561058 554529	562391			560904 558714	560826	561058 554529	562391		560826	560087					554528	
				561050 555644 340545*		561009 551065				561050 555644 340545*		561009 551065			563599				555643	
CD124 (IL-4 receptor α chain)				552178						552178									552120	
CDw125 (IL-5 receptor α chain)				555902						555902										
CD126 (IL-6 receptor α chain)	564623			561696 551850	564162					561696 551850				562090						
CD127 (IL-7 receptor α subunit)	565937 564423	561697 560549		561028 557938	562397			560551	560822	561028 557938	562397		560822		560905 558598	565185			558633	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog Human Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD130 (gp130)	AM64	Hu	+	+	-	+	+	+	+	+	+							566223						564154			
CDw131	3D7																	564192									
CD132 (Common γ chain)	TUGh4	Hu†	+	+		+	+	+	-													563446		563406			
	AG184	Hu	+	+		+	+	+	-									566222								563129	
CD134 (OX40)	ACT35	Hu	+		-		-																	563658	563664		
	L106	Hu	+		-		-																				
CD135	4G8	Hu	-	-	-	-	-	-	-	-	-							566256						563909	563908		
CD137 (4-1BB)	4B4-1	Hu	+	+		-	+	-										566266						564092	740798	741000	
CD137 Ligand (4-1BB ligand)	C65-485	Hu																									
CD138 (Syndecan-1)	DL-101	Hu	-	+		-	-	-	-	-	+	+	+														
	Mi15	Hu	-	+		-	-	-	-	-	+	+	+		564393			565943	562098	566204		563091	563294		563184		
CD140a (PDGFRα)	αR1	Hu	-			-	-	-	+	-	+							562799									
CD140b (PDGFRβ)	28D4	Hu	-			-	-	-	-	-	+							564124									
CD141 (Thrombomodulin)	1A4	Hu	-			+	+	+			+	+						565321				563298	740421	740604	563155	741006	
CD142	HTF-1	Hu	-			+	-	-			+	+															
CD144	55-7H1	Hu	-			-	-	-	-	-	+							565671	561569							565672	
CD146	P1H12	Hu	+			-	-	-	-	-	+			565981				566226	562136			563255			563186		
CD147 (Neurothelin)	HIM6	Hu	+	+		+	+	+	+	+	+							562583				563249	563248				
CD148	A3	Hu	+	+	+	+	+	+	+	-																	

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD130 (gp130)				555757	564152					555757					564151					
CDw131				564190						564190					564191					
CD132 (Common γ chain)	566035 564528			561699 555898	563683					561699 555898	563683				563682				555897	
				555900						555900										
CD134 (OX40)		555837		561700 555838	563662	551500		563659	563663	561700 555838	563662	551500	563663	563473						
				340420*						340420*										
CD135				558996						558996					563494					
CD137 (4-1BB)				561701 555956		551137				561701 555956		551137		561702 550890					552533	
CD137 Ligand (4-1BB ligand)				559446						559446										
CD138 (Syndecan-1)				550805						550805										
		561703 347191* 552723		561704 347192* 552026	564606			341087* 564605		561704 347192* 552026	564606			347193* 564715	562097					
CD140a (PDGFR α)	566055 564594			556002				563575		556002					562798					
CD140b (PDGFR β)				558821				562714		558821										
CD141 (Thrombomodulin)	566017 565084			559781						559781				564123						
CD142				561713 550312						561713 550312										
CD144		560874 560411		561714 560410				561566		561714 560410					561567					
CD146	564644	560846		561013 550315	564327			562134	562135	561013 550315	564327		562135	563619						
CD147 (Neurothelin)		555962		562552	562553			562554		562552	562553			562551						
CD148														564732						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)					
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm								
Product Name	Clone	React	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon BV450	BD Horizon BV480	BD Horizon BV500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786								
CD150	A12	Hu	+	+	+	-	-	-	+									562875							
CD151 (PETA-3)	14A2.H1	Hu	-	-	-	-	-	+	+	+															
CD152 (CTLA-4)	BNI3	Hu	+	+	-	-	-	-										565931 562743							563931
CD154 (CD40L)	89-76	Hu	+	-	-	-	-	-																	
	TRAP1	Hu	+	-	-	-	-	-										566268 563886							
CD157	SY/11B5	Hu			+	+	+		+	+								564869							565342
CD158a	HP-3E4	Hu	+			+												564318							563183
CD158b	CH-L	Hu	+			+																			
CD158i (KIR2DS4)	179315	Hu	+			+																			
CD160	BY55	Hu	+	-	+																				
CD161	DX12	Hu	+	-	-	+	-	-	-	-								566259 562615			563212	563863	563864	563865	
CD162 (PSGL-1)	KPL-1	Hu	+	+		+	+	-	-	-															
CD163	GHI/61	Hu	-	-	-	+	-	-	-	-								566277 562643					563888	563889	741003
CD164	N6B6	Hu	+	+		+	-	-	-	+	+														
CD166	3A6	Hu	+	+		+	-			+	+							564940 566280 562936							564939
CD169	7-239	Hu																							
CD171	5G3	Hu																565737 565736							565733 565732
CD172a (SIRPα)	SE5A5	Hu			+	+												565036							
CD172b (SIRPβ)	B4B6	Hu			+	+																			
CD177	MEM-166	Hu																	564240						
CD178	NOK-1	Hu																							
CD180 (RP105)	G28-8	Hu		+	+	+																			
CD181 (CXCR1, IL-8RA, CD128a)	5A12	Hu	+			+	+																		

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD150				559592						559592										
CD151 (PETA-3)				556057						556057										
CD152 (CTLA-4)				560939 555853	562742	561717 555854				560939 555853	562742	561717 555854		560938 555855						
				340477*						340477*										
CD154 (CD40L)		561721 555699		555700	563589	561722 555701				555700	563589	561722 555701		560955 555702				563588		
CD157	565193			564214						564214					564870					
CD158a		340531* 556062		556063						556063				564319						
CD158b	566053 564678	559784		561723 559785						561723 559785										
CD158i (KIR2DS4)														564375						
CD160			562351	562118						562118					562362					
CD161		340536* 556080		340530* 556081		551138				340530* 556081		551138		561729 550968	562669					
CD162 (PSGL-1)				556055						556055					562758					
CD163		563697		560933 556018	562670			563887		560933 556018	562670				562669					
CD164		551297		551298				561196		551298					561201					
CD166	565461			560903 559263				562131		560903 559263					564938					
CD169	565353			565248						565248					565295					
CD171				564193						564193					564194					
CD172a (SIRPα)				563441						563441					565035					
CD172b (SIRPβ)	566019 565092			552602						552602										
CD177				564239						564239					564238					
CD178				564261						564261				564262						
CD180 (RP105)				551953						551953										
CD181 (CXCR1, IL-8RA, CD128a)		555939		555940		551081				555940		551081		551080						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																	
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6											
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786				
CD182 (CXCR2, IL-8RB, CD128b)	6C6	Hu	+																																	
CD183 (CXCR3)	1C6/CXCR3	Hu	+			+																		562558			740183	564032	740603	563156	741005					
CD184 (CXCR4, Fusin)	12G5	Hu	+	+	+	-	+	-										563924						562448					740418	740599	740799	741001				
	1D9	Hu	+	+	+	-	+	-																												
CD185 (CXCR5)	RF8B2	Hu	+	+	+	+	+	-						740266										562747		566191 566142		563105	740379	740528	740737					
CD191 (CCR1)	53504	Hu	+																																	
CD192 (CCR2)	48607	Hu	+	+																				564067												
CD193 (CCR3)	5E8	Hu	+		+																															
CD194 (CCR4)	1G1	Hu	+																																	
CD195 (CCR5)	2D7/CCR5	Hu	+	-		-	+	+	-	-	-			565224																						
	3A9	Hu	+	-		-	+	+	-	-	-																									
CD196 (CCR6)	11A9	Hu [†]	+	+	+	-	-	-																												
CD197 (CCR7)	150503	Hu	+	+	+									563977																						
	3D12	Hu	+	+	+									740267																						
CD199	112509	Hu	+																																	
CD200 (OX2)	MRC OX-104	Hu	-	+	+	-	-	-	-	-	+																									
CD201 (EPCR)	RCR-252	Hu																																		
CD203c	NP4D6	Hu																																		
CD205 (DEC-205)	MG38	Hu	+	+	+																															
	MMRI-7	Hu	+	+	+																															

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD182 (CXCR2, IL-8RB, CD128b)		551126		555933		551125				555933		551125		551127						
CD183 (CXCR3)			561730 558047	560928 557185	562451	561731 551128		560832	560831	560928 557185	562451	561731 551128	560831	561732 550967			561320			
CD184 (CXCR4, Fusin)				561733 555974		560937 555975			560669	561733 555974		560937 555975	560669	560936 555976					555973	
				551510						551510										
CD185 (CXCR5)	564625 564624		558112					562781								565191			552118	
CD191 (CCR1)															557914					
CD192 (CCR2)															561744 558406					
CD193 (CCR3)				561746 558165	562571			564189		561746 558165	562571				561745 558208					
CD194 (CCR4)				561110 551120	565391			560726	561034 557864	561110 551120	565391		561034 557864		557863				551266	
CD195 (CCR5)		561747 555992		560935 555993	562456	561750 556889			561749 557752	560935 555993	562456	561750 556889	561749 557752	561748 556903				560913 557755		
		564512		560935 556042				560635		560932 556042				550856						
CD196 (CCR6)	564479			561019 559562	564816			561752 560467	560620	561019 559562	564816		560620	560619	561751 560466	565173			559561	
CD197 (CCR7)		561271		560765				561144		560765					560816		561143			
		561675 560548		561008 552176					560922 557648	561008 552176			560922 557648		560921 557734				552174	
CD199			561608	561607						561607					557975					
CD200 (OX2)	566024 564784			561762 552475				562124	562125	561762 552475			562125							
CD201 (EPCR)			563623	557950						557950				563622						
CD203c				562972						562972				562973						
CD205 (DEC-205)				558069						558069										
															558156					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6	
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD206 (Macrophage mannose receptor)	19.2	Hu			+	+						740309						566281 564062				740180	740417	740598	740797	740999
CD207 (Langerin)	AB5_8.2G3.6	Hu			+																					
CD208 (DC-LAMP)	I10-1112	Hu			+																					
CD209 (DC-SIGN)	DCN46	Hu			+	+												566278 564127	561275							
CD210 (IL-10 receptor)	3F9	Hu	+	+	-	-	+	-																		
CD210b (IL-10 receptor Bta)	90220	Hu	+	+	+	+	+											740001								
CD212 (IL-12 receptor β, subunit)	2.4E6	Hu	+	+	-	+	-	-																		
	2B6/12β2	Hu	+	+	-	+	-	-																		
CD218a	IL-18α	Hu	+	+	+	+	+	+																		
CD220 (Insulin receptor)	3B6/IR	Hu	+	+	+	+	+	+																		
CD221 (IGF-I receptor α subunit)	1H7	Hu	+	+	+	+	+	+										565966 562593								
CD223 (LAG-3)	T47-530	Hu																								
CD226 (DNAM-1)	DX11	Hu	+	+	+	+	-	+	-																564796	
CD227 (MUC1)	HMPV	Hu	+	+	+	+																				
CD229	HLY9.1.25	Hu																								
CD235a (Glycophorin A)	GA-R2 (HIR2)	Hu	-	-	-	-	-	+				565973 563810						562938				740174	740409	740583	740785	740984
CD238	BRIC 203	Hu						+														563475				
CD243 (P-glycoprotein)	15D3	Hu	-	-	-	-	-	-																		
	17F9	Hu	-	-	-	-	-	-																		
CD244 (2B4)	2-69	Hu	+	-	+	+	+	+										565751 565750								
CD248	B1/35	Hu																								
CD249	2D3/APA	Hu																								
CD252 (OX40 Ligand)	Ik-1	Hu		+	+													563766								

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD206 (Macrophage mannose receptor)	564668	551135		555954	564063	551136				555954	564063	551136		561763 550889						
CD207 (Langerin)				564727						564727										
CD208 (DC-LAMP)				558126						558126				558168						
CD209 (DC-SIGN)	564548	561764 551264		561765 551265				561766 558263		561765 551265				551545						
CD210 (IL-10 receptor)				556013						556013					565255					
CD210b (IL-10 receptor Bta)															564372					
CD212 (IL-12 receptor β, subunit)	565043			556065						556065				558708						
				550723						550723										
CD218a				564675						564675										
CD220 (Insulin receptor)				559955						559955										
CD221 (IGF-I receptor α subunit)				560934 555999	562535					560934 555999	562535									
CD223 (LAG-3)				565617 565616						565617 565616										
CD226 (DNAM-1)	565152	559788		559789						559789					564797					
CD227 (MUC1)	564640	559774																		
CD229	566022 565239																			
CD235a (Glycophorin A)	565234 565233	561017 559943		561051 555570 340947*		561776 559944			563666	561051 555570 340947*		561776 559944	563666	561775 551336						
CD238				563122						563122										
CD243 (P-glycoprotein)				340555*						340555*										
		557002		557003						557003										
CD244 (2B4)		550815		550816	564881					550816	564881									
CD248															564994					
CD249				564533						564533										
CD252 (OX40 Ligand)				558164						558164										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6										
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786			
CD253 (TRAIL)	RIK-2	Hu	+	+																													566247 564243		
CD258	115520	Hu	+	+	+	-																													
CD261 (TRAIL-R1)	S35-934	Hu	+	+	-	+	+																												
CD262 (TRAIL-R2)	YM366	Hu																																	
CD263	B-D44	Hu																																	
CD266 (TWEAK R)	ITEM-4	Hu																															565712		
CD267 (TACI)	1A1-K21-M22	Hu	+	+	-																														
CD268 (BAFF receptor)	11C1	Hu	+	+	-	-																												565989 564819	
CD270 (HVEM)	94801	Hu	+	+	+	+	+																												
	CW10	Hu																																565517	
CD271 (NGF receptor)	C40-1457	Hu			+																													562562 562123 563451	
CD272 (BTLA)	J168-540.90.22	Hu	+	+	+	-	+	-																										564802 564803	
CD273 (B7-DC, PD-L2)	MIH18	Hu	+		+		+																											563842 563844 564258 563843	
CD274 (B7-H1, PD-L1)	MIH1	Hu	+	+	+	+	+	+																										740320 563738 740190 740426 563740 563739	
CD275 (B7-H2, ICOSL)	2D3/B7-H2	Hu	+	+	+	-	+	+																										564276	
CD278 (ICOS)	C398.4A	Hu [†]	+																																
	DX29	Hu	+																															564777 564778 562901 563832 563833 741017	
CD279 (PD-1)	EH12.1	Hu	+	+																														565299 565935 562516 566175 566112 563076 563245 564104 564017 563789	
	MIH4	Hu																																564323 564324 740814 741018	
CD282 (TLR2)	11G7	Hu																																	
CD284 (TLR4)	TF901	Hu																																564401 564404 564402	
CD285 (TLR5)	624915	Hu																																	
CD294 (CRTH2)	BM16	Hu	+																															740319 562992 561661 740189 740616 740813 741016	
CD295	52263	Hu	+	+	+	+	+	+	+	+																									
CD300f	UP-D1	Hu																																	

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD253 (TRAIL)				561784 550516						561784 550516				563642						550431
CD258														564374						
CD261 (TRAIL-R1)				564180						564180										
CD262 (TRAIL-R2)				565499						565499					565498					
CD263														565458						
CD266 (TWEAK R)				565731						565731										
CD267 (TACI)				558414						558414				562345						
CD268 (BAFF receptor)		558081		558097	565654					558097	565654				564818 564817					
CD270 (HVEM)														564411						
CD271 (NGF receptor)	564580			560927 557196	563452			560834	562122	560927 557196	563452		562122		560877 560326					557195
CD272 (BTLA)				558485	564801					558485	564801			564800						
CD273 (B7-DC, PD-L2)				558066	564257			564256		558066				557926		565189				
CD274 (B7-H1, PD-L1)	564554	558065		561787 557924	563742				558017	561787 557924	563742		558017	563741		565188				
CD275 (B7-H2, ICOSL)				552502	564277					552502	564277				564278					
CD278 (ICOS)				565669						565669										
	564549			557802				562833		557802					562834					
CD279 (PD-1)	565936 564494			560795	565024			561273	561272	560795	565024		561272		560838					
		561035 557860		560908 557946						560908 557946				558694						
CD282 (TLR2)	565597		558318	565349						565349					558319					
CD284 (TLR4)				564215						564215										
CD285 (TLR5)														564344						
CD294 (CRTH2)		561659		563665	563501			561660		563665	563501				561797 558042					
CD295														564376						
CD300f				565450						565450										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD305 (LAIR-1)	DX26	Hu	+	+	+	+	+	+																										
CD307c	H5	Hu	+	+	-	-	-	-																										
CD307e/c (FCRL5/3)	307307	Hu	+	+																														
CD309 (VEGFR-2/KDR)	89106	Hu																																
CD312 (EMR2)	494025	Hu			+																													
CD314 (NKG2D)	1D11	Hu	+	+	-	+	+	+																			563266		563408	563688				
CD319 (CRACC)	235614	Hu	+	+	+	+	+	-																										
CD321 (F11 receptor)	M.AB.F11	Hu	+	+		+	+	+	+	+	+	+	+																					
CD324 (E-cadherin)	67A4	Hu																							565646									
CD325	8C11	Hu																																
CD326 (EpCAM)	EBA-1	Hu																																
CD328 (Siglec-7)	F023-420	Hu	+	+	+	+	+	+																										
CD329 (Siglec-9)	E10-286	Hu	-	+	-	+	+	+																										
CD335 (NKp46)	9E2/NKp46	Hu																																
CD336 (NKp44)	P44-8.1	Hu																																
CD337 (NKp30)	P30-15	Hu																																
CD338 (ABCG2)	5D3	Hu	-	+	-	+	-																											
CD339 (Jagged1)	MHJ1-152	Hu																																
CD340 (HER-2/neu)	Neu 24.7	Hu																																
CD344	CH3A4A7	Hu																																
CD354 (TREM-1)	193015	Hu	+	+	+	+	+	+																										
	6B1	Hu																																
CD360 (IL-21 receptor)	17A12	Hu	+	+	+	+	+	+																										
CD366 (TIM-3)	7D3	Hu																																

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD305 (LAIR-1)	566020 565153			550811						550811					565326					
CD307c	565026														564768					
CD307e/c (FCRL5/3)															564343					
CD309 (VEGFR-2/KDR)				560872 560494						560872 560494					560871 560495					
CD312 (EMR2)															564342					
CD314 (NKG2D)	564566			561815 557940	562498			562364	562365	561815 557940	562498		562365	562064 558071						
CD319 (CRACC)															564338					
CD321 (F11 receptor)				552556						552556										
CD324 (E-cadherin)			563570	562870	563572			563573		562870	563572				563571					
CD325			562119	561554				563435		561554					563434					
CD326 (EpCAM)	565398	347197*		347198*	565399			347199*		347198*	565399			347200*						
CD328 (Siglec-7)				558372						558372										
CD329 (Siglec-9)		550906		564251																
CD335 (NKp46)	564537 564536			557991					562101	557991			562101	558051						
CD336 (NKp44)	566025 565099			558563						558563					558564					
CD337 (NKp30)				558407						558407					558408					
CD338 (ABCG2)				561180				561460		561180					561451					
CD339 (Jagged1)				565495						565495										
CD340 (HER-2/neu)		340553*		340552*						340552*				340554*						
CD344				563660				564887		563660					564886					
CD354															564472					
				565555						565555										
CD360 (IL-21 receptor)				560264	564122					560264				560331						
CD366 (TIM-3)	565569 565568			565571 565570	565561 565560					565571 565570	565561 565560				565559 565558					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
A2B5															563776					
Alkaline Phosphatase			561495	561433				561508		561433					561500					
Annexin V		560931 566420 556419		560930 556422 556421	563544			561431		560930 556422 556421	563544			561012 550475 550474					556418 556417	
ASGPR1				563655						563655										
B7-H4				562507	562785					562507	562785			562787						
BAH-1				565746						565746										
Blood Group A		550807		565385						565385					565384					
C3a Receptor				561178						561178					561497					
β-Catenin			562505																	
CCR10	564769			563656				564772		563656				564771						
Chondroitin Sulfate			562413	562415						562415					562414					
CLEC6				564413						564413										
CLEC7A (Dectin-1)				564471						564471					564855					
Clec9A				563488						563488					564267					
Clec12A	565926 565325	562569		562566						562566					562568					
CLIP		555981																		
Cutaneous Lymphocyte Antigen (CLA)		561987 555947		563962						563962					563533				559950	
CX3CR1				565798 565796						565798 565796										
Disialoganglioside GD2		563439		562100				563438		562100					562096					
Dta-Like Protein 1				564414						564414										
Dta-Like Protein 4				564412						564412										
EphB2														564699						
Fc μ Receptor				563017						563017					563535				563018	
FMC7		340919*		565241						565241										
fMLP receptor				556016						556016					565623					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
GARP				562150	562503					562150	562503			562341						
GPVI				565241						565241					564701					
Hematopoietic progenitor cell (HPC)				557928						557928				557929						
HLA-A,B,C		560965 555552		560964 555553		560966 555554			561349	560964 555553		560966 555554	561349	562006 555555						
			560169	560168						560168										
				565291						565291										
HLA-A2	565930 564577	561107 551285		558570				561350	561347	558570			561347	561341			561339		561342	
HLA-DM				555983						555983										
HLA-DQ		347453*																		
		555563			564807						564807				564806					
HLA-DR		555560		555561		551375				555561		551375		559868						
	564516	560944 347363* 555811		560943 347367* 555812	562331 562304	562007 555813	347364*	339194* 560652	335795* 560651	560943 347367* 555812	562331 562304	562007 555813	335795* 560651	560896 340549* 559866			560743	335796*	641393* 561358	347361*
HLA-DR, DP, DQ	565947 565268	562008 555558												563591						
Ig, κ light chain		643773*		346601*						346601*				341088*						
	565232	560950 555791		562052 555792	562620			561330	561328	562052 555792	562620		561328	561323			561319		561325	555790
		562023 348063*																		
Ig, λ light chain		346600*		642919*						642919*										
		562053 555796		562054 555797						555797					563463					555794
		348073*																		
IgD	565244 565243	555778		562024 555779	562540			561315	561314	562024 555779	562540		561314	561303			561302		561305	555777
IgG	564581	560952 555786		560951 555787	562538	551497			561298	560951 555787	562538	551497	561298	562025 550931			561296		561297	555785

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)																		
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6													
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm																					
Product Name	Clone	React	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786																					
IgM	G20-127	Hu																563903								562618	561286	566153 566146		563113	562977	740595	740795	740998				
Integrin αvβ5	ALULA	Hu [†]																																				
Integrin β ₇	FIB504	Hu	+		+	+																																
Invariant NK T	6B11	Hu	+																																			
Jagged2	MHJ2-523	Hu																																				
KIR-NKAT2	DX27	Hu	+			+																																
LAP	TW4-2F8	Hu	+																																			
LDLR	C7	Hu																																				
Leukotriene B4 Receptor (hBLTR-1)	203/14F11	Hu	+	+	+	+	+	+																														
Lgr5 (Central LRR)	4D11F8	Hu																																				
Lgr5 (N-terminal)	8F2	Hu																																				
Lineage Cocktail 1	-	Hu	+	+		+	+	+																														
Lineage Cocktail 2	-	Hu	+	+		+	+	+																														
Lineage Cocktail 3	-	Hu	+	+		+	+	+																														
Lineage Cocktail 4	-	Hu	+	+		+	+	+																														
MIC A/B	6D4	Hu																																				
β ₂ -microglobulin	TÜ99	Hu	+	+	+	+	+	+																														
Neuropilin-1	U21-1283	Hu	+		+																																	
NKB1 (KIR)	DX9	Hu	+			+																																
Notch1	MHN1-519	Hu	+	+	+	+	+																															
Notch2	MHN2-25	Hu	+	+																																		
Notch3	MHN3-21	Hu	+																																			
Notch4	MHN4-2	Hu																																				
PAC-1	PAC-1	Hu																																				
Perlecan	5D7-2E4	Hu																																				

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IgM	564622	562029 555782		562030 555783	562539	562031 551079		561285		562030 555783	562539	562031 551079		561010 551062						555781
Integrin αvβ5															565836					
Integrin β ₇	565331			555945		551059				555945		551059		551082						
Invariant NK T		558371		562051 552825						552825										
Jagged2				565548						565548										
KIR-NKAT2		556070		556071						556071										
LAP				562260	562490			562544		562260	562490									
LDLR				565653						565653										
Leukotriene B4 Receptor (hBLTR-1)				552836						552836										552835
Lgr5 (Central LRR)															562912					562913
Lgr5 (N-terminal)					563470						563470				562903					562904
Lineage Cocktail 1		340546																		
Lineage Cocktail 2		643397																		
Lineage Cocktail 3		643510																		
Lineage Cocktail 4		562722																		
MIC A/B				558352						558352										
β ₂ -microglobulin		551338		551337						551337										
Neuropilin-1				565952 565951						565952 565951										
NKB1 (KIR)		340483* 555966		340484* 555967						340484* 555967				564103						
Notch1	566023 564781			563421						563421					564782					
Notch2				563519						563519										
Notch3				563593						563593										
Notch4				563269						563269					563904					
PAC-1		340507*																		
Perlecan															565782					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6			
Product Name	Clone	React												395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786											
PI-16	CRCBT-02-001	Hu																										
	WCHRI-1	Hu	+																									
Platelet GPVI	Hy-101	Hu																										
ROR1	4A5	Hu																										
SEMA4A	T9-10	Hu	+	+	+	+	+	+																				
Siglec-5/Siglec-14	194128	Hu	-	+	+	-	+	+																				
SSEA-1 (CD15)	MC480	Hu [†]																										
SSEA-3	MC631	Hu [†]																										
SSEA-4	MC813-70	Hu																										
SSEA-5	8e11/SSEA-5	Hu																										
Streptavidin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCR αβ	IP26A	Hu	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WT31	Hu	+																									
	T10B9.1A-31	Hu	+																									
TCR γδ	11F2	Hu	+																									
	B1	Hu	+																									
TIM-1	1D12	Hu	+																									
TLT-2 (TREM2)	MIH61	Hu	+	+																								
TNFR Related Protein (Lymphotoxin β receptor; LTβR)	hTNFR-RP-M12	Hu	+	+	+	+	+																					
TRA-1-60 Antigen	TRA-1-60	Hu																										
TRA-1-81 Antigen	TRA-1-81	Hu																										
TRA-1-85 Antigen	TRA-1-85	Hu																										

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
PI-16															564969					
Platelet GPVI				563520						563520					564701					
ROR1	566016 565087			564474						564474										
SEMA4A				564812						564812										
Siglec-5/Siglec-14	565198														564371					
SSEA-1 (CD15)		560127		560886 560142	562485			561560		560886 560142	562485				562277 560120					
SSEA-3		560881 560236		560879 560237	562486			561564		560879 560237	562486				561145					
SSEA-4		560126		560128	562487			561565		560128	562487				560796					
SSEA-5															563753					
Streptavidin	564453	554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*				554063		
TCR αβ		347773*		564728						564728										
		561673 555547		561674 555548						561674 555548				563826						
TCR γδ		347903*		347907*						347907*										
		561995 559878		561994 555717	562511			564157		561994 555717	562511			561049 555718					555716	
TIM-1	566018 565200			564820						564820					563957					
TLT-2 (TREML2)				563661						563661										
TNFR Related Protein (Lymphotoxin β receptor; LTβR)				551503						551503										
TRA-1-60 Antigen	565946 565343	560876 560380		560884 560193				561573		560884 560193					560850					
TRA-1-81 Antigen		560883 560194		560885 560161				561575		560885 560161					560793					
TRA-1-85 Antigen				563021						563021										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React																									
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm										
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786										
Trop-2	162-46	Hu																563243						563244			
TSLP-R	1F11/TSLPR	Hu	+	+	+	+	+																	563340	563341		563342
TWEAK	CARL-1	Hu				+																					
	CARL-2	Hu				+																					
Vβ8 (BV8)	JR2	Hu	+																								
Vγ9 TCR	B3	Hu	+																								
Vδ2 TCR	B6	Hu	+																								

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Trop-2				564837						564837										
TSLP-R				563149						563149				563153						
TWEAK				552831						552831										
				552890						552890										
Vβ8 (BV8)		555606		555607						555607										
Vγ9 TCR		555732		555733						555733										
Vδ2 TCR		562088 555738		555739						555739										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6										
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786			
CCL17	T48-854	Hu	+		+																														
CCL18/DC-CK1	AZN-CK18	Hu			+																														
CCL22	T51-719	Hu		+	+	+																													
Chromogranin A	S21-537	Hu	-	-	-	-	-	-																											
CXCL9 (MIG)	B8-11	Hu	+																																
GM-CSF	BVD2-21C11	Hu	+																																
IFN-α2b	7N4-1	Hu			+																														
IFN-γ	25723.11	Hu	+			+																													
	4S.B3	Hu ^t	+			+																													
	B27	Hu	+			+																													
IL-1α	364-3B3-14	Hu																																	
	AS5	Hu																																	
IL-1β	AS10	Hu		+	+																														
IL-1ra	AS17	Hu																																	
IL-2	5344.111	Hu	+																																
	MQ1-17H12	Hu ^t	+																																
IL-3	BVD3-1F9	Hu	+																																
IL-4	3010.211	Hu	+																																
	MP4-25D2	Hu	+																																
	8D4-8	Hu ^t	+																																
IL-5	JES1-39D10	Hu	+																																
	TRFK5	Hu ^t	+																																

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CCL17				566029						566029										
CCL18/DC-CK1				561179						561179										
CCL22				565950						565950										
Chromogranin A				564563						564563										
CXCL9 (MIG)				566013						566013										
GM-CSF				554507	562857			562258		554507	562857				562257				554505	
IFN-α2b				560097						560097					560088					
IFN-γ		340449*		340452*						340452*				341117*						
		561057 554551		561056 554552 559326					561036 557844	561056 554552 559326			561036 557844		563495				554550	
		561065 554700	557718	562016 554701 559327	562392			560704	560924 557643	562016 554701 559327	562392		560924 557643	562017 554702	557729	564981	561024 557995			
IL-1α				554561						554561										
		340513*		340514*						340514*										
IL-1β		340515*		340516*						340516*										
IL-1ra				340525*						340525*										
IL-2		340448*		340450*	562384					340450*	562384			341116*						
		561055 554565		560902 554566 559334				560708	560707	560902 554566 559334			560707	561054 554567						
IL-3				554676						554676									554674	
IL-4				340451*						340451*										
		562047 554484		554485	565161					554485	565161			554486					554483	
			557990	562046 554516 559333				561234	560672	562046 554516 559333			560672	560671						
IL-5				554489 559332						554489 559332										
				562049 554395						562049 554395				562048 554396						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
IL-6	AS12	Hu	+	+	+																						
	MQ2-13A5	Hu	+		+	+												563279	561446								
	MQ2-6A3	Hu	+		+	+																					
IL-8	AS14	Hu			+	+	+			+																	
	G265-8	Hu			+	+	+			+								563310				563311					
IL-9	MH9A3	Hu	+															564254									
IL-10	JES3-19F1	Hu [†]	+	+		+																					
	JES3-9D7	Hu [†]	+	+		+												566276 564053					564052	564051	564050	564049	
IL-12 (p40/p70)	C8.6	Hu																565023									
	C11.5	Hu			+	+													561380								
IL-12 (p70)	20C2	Hu			+	+																					
IL-13	JES10-5A2	Hu	+															563580	561158							564288	
IL-17A	N49-653	Hu	+															562933	560610			563295		563746		563745	
	SCPL1362	Hu	+																								
IL-17F	O33-782	Hu	+																561338 561337					564264		564265	
IL-21	3A3-N2.1	Hu	+															564755									
IP-10	6D4/D6/G2	Hu	+				+			+																	
IRAK4	L29-525	Hu	+	+	+	+	+	+		+																	
Leukemia Inhibitory Factor (LIF, HILDA)	1F10	Hu	+				+	+		+	+																

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IL-6		340526*		340527*						340527*										
		554544		554545	563543					554545	563543			561441						
		554696		554697 559331						554697 559331										
IL-8		340509*		340510*						340510*										
				554720	563531					554720	563531									554718
IL-9				560814 560807	564255			561461		560814 560807	564255				560815 560813					
IL-10				562035 554706 559330	562400					562035 554706 559330	562400			562036 554707						
				554498 559337						554498 559337										
IL-12 (p40/p70)		554574		554575 559329						554575 559329				554576						
IL-12 (p70)				557020 559325						557020 559325										
IL-13				562039 340508* 554571 559328						562039 340508* 554571 559328				561162						
IL-17A			560489 560488	560487 560486				560799		560487 560486					560491 560490	565163	560613			
				560438 560436						560438 560436					560439 560437					
IL-17F			561332 561331	561198 561197	564263					561198 561197	564263				561334 561333					
IL-21				562042 560463						562042 560463					562043 560493					
IP-10				555049						555049										555048
IRAK4				560303						560303					560315					
Leukemia Inhibitory Factor (LIF, HILDA)				558571						558571										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)									
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6			
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm		
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
LT- α	359-81-11	Hu	+	+																								
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	Hu	+				+				+																	
MIP-1 α (macrophage inflammatory protein-1 α)	11A3	Hu	+	+			+	+																				
MIP-1 β	D21-1351	Hu	+	+			+	+										562900	561282									
Osteocalcin	R14-707	Hu																										
RANTES	2D5	Hu	+				+			+								564754										
STING	T3-680	Hu	+	+	+	+	+											564966										
TGF β 1	TW4-9E7	Hu	+				+			+								562962										
TNF	MAb11	Hu [†]	+	+	+	+	+	+										563996						566275	561311	562783	563915	563418
TNF- α	6401.111	Hu	+	+	+	+	+	+																				
VHL	S2-647	Hu	+		+	+	+																					

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cytokines and Chemokines	Blue Laser (488 nm)										Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1		2	3	4			5	1	2	3	4	1		2		3				
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
LT-α				554556						554556										554555	
MCP-1 (monocyte chemoattractant protein 1)				554666 559324						554666 559324					563496						
MIP-1α (macrophage inflammatory protein-1α)				554730						554730											
MIP-1β		560565		561120 550078				560688	560687	561120 550078			560687	560686			561278		561280		
Osteocalcin				564146						564146											
RANTES	566043 564752			554732 559322						554732 559322					564753						
STING				564965	565313					564965	565313				564836						
TGFβ1			562545	562339	562422			562423		562339	562422										
TNF		562082 554512	557722	562083 554513 559321	562784			560679	560923 557647	562083 554513 559321	562784		560923 557647	562084 554514 551384			561023 557996			554511	
TNF-α		340511*		340512*						340512*				340534*							
VHL															564184						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React																									
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm										
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786										
CD3ε	APA1/1	Hu	+																								
CD20 (cytoplasmic)	H1	Hu	+	+	-	-	-	-					563347														
CD79α	HM57	Hu	+	+																							
CD140b (pY857) (PDGFRβ)	J24-618	Hu [†]	-	-	-	-	-	-																			
CD140b (pY1009) (PDGFRβ)	J25-650	Hu [†]	-	-	-	-	-	-																			
CD140b (pY1021) (PDGFRβ)	J105-412	Hu [†]	-	-	-	-	-	-																			
CD221 (pY1131) (IGF-1 receptor)	K74-218	Hu	+	+	+	+	+	+																			
CD222	MEM-238	Hu																									
CD247 (pY142) (CD3ζ)	K25-407.69	Hu	+			+																					
4EBP1 (pT36/pT45)	M31-16	Hu	+	+			+																				
4EBP1 (pT69)	M34-273	Hu	+	+			+																				
α-fetoprotein (AFP)	C3/AFP	Hu																								+	
AhR	T49-550	Hu [†]																									
AID	EK2-5G9	Hu		+																							
Aiolos	S50-895	Hu	+	+		+																				+	
Akt (pS473)	M89-61	Hu [†]	+	+		+	+	+																		562599	560858
AKT (pT308)	J1-223.371	Hu [†]	+	+		+	+	+																			
Akt1 (PKBα, RAC-PK)	55	Hu	+	+		+	+	+																			
BATF	S39-1060	Hu [†]	+	+																							
Bcl-2	6C8	Hu	+																								+
	Bcl-2/100	Hu	+																								+
Bcl-2 (pS70)	N46-467	Hu	+																								
Bcl-6	K112-91	Hu [†]	+	+																						563363	562204
Bcl-10	151	Hu	+	+																							
Blimp-1	6D3	Hu [†]	+	+	+	+	+																				+
BLNK (pY84)	J117-1278	Hu [†]		+																							

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD3ε		558261		558260						558260				558257						
CD20 (cytoplasmic)			558056	561174	563430			560907 558021	561175	561174	563430		561175		558054		561171		561172	
CD79α				563777						563777										
CD140b (pY857) (PDGFRβ)			558427	558429						558429					558428					
CD140b (pY1009) (PDGFRβ)				558322						558322					558323					
CD140b (pY1021) (PDGFRβ)			558419	558417						558417					558418					
CD221 (pY1131) (IGF-1 receptor)															558588					
CD222															565105					
CD247 (pY142) (CD3ζ)			558486	558448						558448					558489					
4EBP1 (pT36/pT45)			560287	560285						560285					560286					
4EBP1 (pT69)			560290	560288						560288					560289					
α-fetoprotein (AFP)			563016	563002						563002										
AhR				565711						565711										
AID															565785					
Aiolos			565216	564811						564811					565215					
Akt (pS473)			560404	560378 561671*	562465					560378 561671*	562465				560343 561670*					
AKT (pT308)				558275						558275										
Akt1 (PKBα, RAC-PK)			560048	560049						560049					560050					
BATF				564503						564503										
Bcl-2		554234		556536						556536										
		340575* 556357		340576* 556535	563601					340576* 556535	563601				563600					
Bcl-2 (pS70)			562678	562532	562679					562532	562679				562531					
Bcl-6			561524	561522	562401			562198	563582	561522	562401		563582		561525			563581		
Bcl-10		552881		552881																
Blimp-1				564702						564702					565002					
BLNK (pY84)			558444	558442						558442					558443					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
BLNK (SLP-65, BASH, BCA)	2B11	Hu ⁺	+																								
BMI-1	P51-311	Hu																									
BrdU	3D4	Hu																	560810			563445					
	B44	Hu																									
BrdU with DNase	B44	Hu																									
Btk	53/Btk	Hu		+																							
Btk (pY223) & Itk (pY180)	N35-86	Hu ⁺	+	+														564848									
Btk (pY551) & Itk (pY511)	24a/BTK (Y551)	Hu	+	+																							
E-Cadherin	36/E-Cadherin	Hu ⁺																564186									
Cardiac Troponin I	C5/TROPO	Hu																									
Cardiac Troponin T	13-11	Hu ⁺																565618									
Caspase-3, Active Form (CPP32)	C92-605	Hu ⁺										566220	564095						560627				564094	564096			
β-Catenin (pS45)	K63-363	Hu																									
c-Cbl (pY700)	47/c-Cbl	Hu ⁺	+																								
c-Cbl (pY774)	29/c-Cbl	Hu	+																								
C-Peptide	U8-424	Hu ⁺																									
CDX-2	M39-711	Hu																									
COX-2	AS67	Hu																									
CREB (pS133) / ATF-1 (pS63)	J151-21	Hu	+	+																							
CrkL (pY207)	K30-391.50.80	Hu																									
Cyclin A	BF683	Hu	+	+	+	+	+	+	+	+	+																
Cyclin B1 (a.a 1-21)	GNS-1	Hu ⁺																									
Cyclin D1	G124-326	Hu																									
Cyclin D3	G107-565	Hu																									
Cytokeratin	CAM 5.2	Hu																564709				563613					
	KA4	Hu																									
Cytokeratin 14, 15, 16, and 19	KA4	Hu																									

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
BLNK (SLP-65, BASH, BCA)			558693	558688						558688					558692					
BMI-1			562636	562528				562650		562528					562637					
BrdU		556028		556029			560808	560809		556029										
BrdU with DNase		347583*																		
Btk				558527						558527					558528					
Btk (pY223) & Itk (pY180)			564847	562753																
Btk (pY551) & Itk (pY511)			558130	558129						558129					558134					
E-Cadherin				562526						562526										
Cardiac Troponin I															564409					
Cardiac Troponin T				564767						564767					565744					
Caspase-3, Active Form (CPP32)		560901 559341		561011 550821						561011 550821					560626				550557	
β-Catenin (pS45)				558638						558638					558666					
c-Cbl (pY700)			558101	558087						558087					558100					
c-Cbl (pY774)				558102						558102					558103					
C-Peptide															565831					
CDX-2				563428						563428					560395 560258					
COX-2				565125						565125										
CREB (pS133) / ATF-1 (pS63)			558435	558436						558436					558434					
CrkL (pY207)			560789	560788						560788					560790					
Cyclin A		554107		550913						550913										
Cyclin B1 (a.a 1-21)		554108		550783						550783										
Cyclin D1		554109																		
Cyclin D3		554111																		
Cytokeratin		347653*		347204*	563615					347204*	563615				563614					
															563648					
Cytokeratin 14, 15, 16, and 19				550953						550953										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																	
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6											
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786				
DCIR (dendritic cell immunoreceptor)	I3-612	Hu		+	+																															
Doublecortin	30	Hu																																		
E2A (E47)	G127-32	Hu		+																																
EGF Receptor	EGFR1	Hu																						566254 563343			563344									
EGF Receptor (pY845)	12A3	Hu																																		
EGF Receptor (pY1173)	9H2	Hu																																		
eIF4E (pS209)	J77-925	Hu	+																																	
ELK-1 (pS383)	M21-1721	Hu	+																																	
eNOS	33/eNOS	Hu [†]																																		
ERK1/2 (pT202/pY204)	20A	Hu [†]	+	+		+	+	+																562981												
ERK2	G263-7	Hu [†]	+	+		+	+	+																												
EZH2	11	Hu	+	+																				562963												
Ezrin (pY353)	I66-386	Hu	+	+																																
FAK (pS910)	K73-480	Hu																																		
Fetal Hemoglobin	2D12	Hu																																		
Fibronectin	10/Fibronectin	Hu [†]																																		
FoxA2	N17-280	Hu																																		
FoxP1	JC12	Hu [†]	+			+	+	+																												
FoxP2	FOXP2-73A/8	Hu [†]																																		
FoxP3 (Scurfin, IPEX, JM2)	236A/E7	Hu	+																						561182											
	259D/C7	Hu [†]	+																						560460 560459											
Galectin-3	B2C10	Hu																																		
GATA3	L50-823	Hu	+			+																		565448											565449	
GATA4	L97-56	Hu [†]																																		
GFAP	1B4	Hu																																		
GFP	1A12-6-18	Hu																																		
Glucagon	U16-850	Hu [†]																							565891											

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
DCIR (dendritic cell immunoreceptor)															558220					
Doublecortin				561505						561505										
E2A (E47)		552510																		
EGF Receptor				555997	563431					555997	563431				563577					
EGF Receptor (pY845)															558523					
EGF Receptor (pY1173)															558524					
eIF4E (pS209)				560229						560229					560240					
ELK-1 (pS383)			560417	560412						560412					560413					
eNOS				560103						560103					560102					
ERK1/2 (pT202/pY204)			612592	612566 561991*	562644			560115	560116	612566 561991*	562644		560116		612593 561992†					
ERK2			558525	558530						558530					558526					
EZH2				562478						562478					563491					
Ezrin (pY353)			558627	558601						558601					558628					
FAK (pS910)			558544	558540						558540					558545					
Fetal Hemoglobin		552829		560041						560041										
Fibronectin			563100												563098					
FoxA2				561589						561589										
FoxP1				564216						564216										
FoxP2															564463					
FoxP3 (Scurfin, IPEX, JM2)			561181	560852	563955			561493		560852					561184					
			560887 560047	560082 560046	562421					560082 560046	562421				560889 560045					
Galectin-3		556908		556909						556909					565678					
GATA3			560163	560074	563510				560405	560074	563510		560405		560068					
GATA4			560330	560328						560328					560400					
GFAP			561449	561483						561483					561470					
GFP															565197					
Glucagon				565860						565860										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human Antibody Reagents**

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																	
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6											
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786				
Granulysin	RB1	Hu	+		+																															
Granzyme A	CB9	Hu																																		
Granzyme B	GB11	Hu	+		+																			563389	561151			563388								
H2AX (pS140)	N1-431	Hu	+	+																				564720												
Helios	22F6	Hu [†]	+																																	
HIF-1α	54	Hu																																		
Histone H3 (pS28)	HTA28	Hu [†]	+	+																					560606											
IκBα	25/IκBa/MAD-3	Hu	+	+	+																															
ID3	S30-7778	Hu [†]	+	+	+																															
Ikaros	R32-1149	Hu	+	+		+																														
Ikkγ (pS376)	N19-39	Hu	+																																	
Insulin	T56-706	Hu [†]																																		
IRF-7	K40-321	Hu																																		
IRF-7 (pS477/pS479)	K47-671	Hu																																		
IRS-1 (pY896)	K9-211	Hu																																		
Islet-1 (ISL-1)	Q11-465	Hu																																		
JNK (pT183/pY185)	N9-66	Hu [†]	+	+		+	+																													
Ki-67	B56	Hu [†]	+	+	+	+	+	+																												
LAT (pY171)	I58-1169	Hu	+																																	
LAT (pY226)	J96-1238.58.93	Hu	+																																	
Lck	MOL 171	Hu [†]	+	+		+																														
Lck (pY505)	4/Lck-Y505	Hu	+																																	
Lin-28	6D1F9	Hu																																		
MAP2B	18/MAP2B	Hu																																		
MAPKAPK-2 (pT334)	P24-694	Hu [†]	+																																	
Mcm6	Ki-Mcm6	Hu	+	+																																
MEK1	25/MEK1	Hu [†]	+	+	+	+	+	+																												
MEK1 (pS298)	J114-64	Hu	+																																	

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Granulysin			558254																	
Granzyme A		558905		558904						558904										
Granzyme B		561998 560211		561142	562462					561142	562462				561999 560212		561016 560213			
H2AX (pS140)			560445	562377	564719			564718		562377	564719				560447					
Helios			563950	563801						563801					563951					
HIF-1α															565924					
Histone H3 (pS28)															558217					
IκBα				560818						560818					560817					
ID3				564564						564564										
Ikaros			564867	564476	564866					564476	564866				564868					
Ikkγ (pS376)				562590						562590										
Insulin															565689					
IRF-7			558707	558706						558706										
IRF-7 (pS477/pS479)			558629	558621						558621					558630					
IRS-1 (pY896)				558440						558440					558441					
Islet-1 (ISL-1)				562547						562547										
JNK (pT183/pY185)				562480						562480					562481					
Ki-67		556026	561165	556027				561284	561283	556027			561283		561126		561277			
LAT (pY171)			558519	558487						558487					558518					
LAT (pY226)			558430	558433						558433					558432					
Lck			558504	558496						558496					558505					
Lck (pY505)			557879	558552						558552					558577					
Lin-28			563597	563398						563398					564280					
MAP2B			560399												560382					
MAPKAPK-2 (pT334)			562471	562470						562470					562472					
Mcm6		557951																		
MEK1				560099						560099					560101					
MEK1 (pS298)			560192	560042						560042					560043					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																		
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6												
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786					
MEK2	96/MEK2	Hu	+	+	+	+	+	+																													
MRP-1	QCRL-3	Hu	+	+																																	
MSI1	N14-47	Hu																																			
mTor (pS2448)	O21-404	Hu	+	+	+	+	+	+																													
Myeloperoxidase (MPO)	5B8	Hu																																			
Myogenin	F5D	Hu [†]																																			
Myosin Heavy Chain	MF20	Hu [†]																																			
Nanog	N31-355	Hu																																			
Nestin	25/NESTIN	Hu [†]																																			
NeuroD1	R8-294	Hu [†]																																			
NF-κB p65 (pS529)	K10-895.12.50	Hu	+	+		+	+																	565446													
Nkx-2.2	74.5A5	Hu [†]																																			
Nkx-6.1	R11-560	Hu [†]																																			
NPM-ALK	ALK1	Hu																																			
Nucleostemin	P22-1125	Hu [†]																																			
Oct-2	9A2	Hu [†]	+	+	+		+																	563196													
Oct3/4	40/Oct-3	Hu [†]																						565644				563524									
Oct3/4A	O50-808	Hu																																			
p16 ^{INK4} mAb / Isotype Reagent Set	G175-1239	Hu																																			
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Hu [†]	+	+		+	+	+																													
p53	DO-7	Hu [†]																																			
	G59-12	Hu [†]	+	+																																	
p53 (acK382)	L82-51	Hu	+	+																																	
p53 (pS37)	J159-641.79	Hu	+	+																																	
p120 Catenin (pS268)	9a.390	Hu																																			
p120 Catenin (pS288)	17/Catenin (cl.1.7)	Hu																																			
p120 Catenin (pS879)	K114-1011	Hu																																			

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
MEK2				560388						560388					560387					
MRP-1		557593																		
MSI1				561468						561468										
mTor (pS2448)				563489						563489					564242					
Myeloperoxidase (MPO)		340580*		341642*						341642*										
Myogenin				563120						563120										
Myosin Heavy Chain				564408						564408										
Nanog			560791	560873 560483				562259		560873 560483					561300					
Nestin				561230				561231		561230					560393					
NeuroD1				563001						563001					563566					
NF-κB p65 (pS529)			558421	558423	565447				560335	558423	565447		560335		558422					
Nkx-2.2				564730						564730					564729					
Nkx-6.1				563023						563023					563338					
NPM-ALK		559818		559257						559257										
Nucleostemin				562750																
Oct-2				562838	563471					562838	563471				563472					
Oct3/4			560253	560186				560794		560186					560329					
Oct3/4A			561628	561556				562251		561556					562252					
p16 ^{INK4} mAb / Isotype Reagent Set		556560		556561						556561										
p38 MAPK (pT180/pY182)			612594	612565 562065†	563569			560406	560241	612565 562065†	563569		560241		612595 562066†					
p53		554298		556534						556534										
		557026		557027						557027										
p53 (acK382)															560231					
p53 (pS37)				560282											560280					
p120 Catenin (pS268)				558558											558559					
p120 Catenin (pS288)				558562	558567					558567					558561					
p120 Catenin (pS879)				558634						558634										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
p120 Catenin (pT310)	22/p120 (pT310)	Hu																									
p120 Catenin (pT916)	1/Catenin	Hu																									
p130 ^{Cas} (pY249)	J169-757.12.2	Hu																									
PARP, Cleaved Form (Asp 214)	F21-852	Hu [†]																566224									
Pax5	1H9	Hu [†]		+														563190				563191					
Pax-6	O18-1330	Hu																									
PCNA	PC10	Hu	+	+																							
PDPK1 (pS241) (PDK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))	J66-653.44.17	Hu	+																								
PDX-1	658A5	Hu [†]																									
Perforin	δG9	Hu	+			+												563393									
Phosphotyrosine	PY20	Hu [†]																									
PKA RIIα (pS99)	I65-856.286	Hu	+	+																							
PKA[RIIβ] (pS114)	47	Hu																									
PKCα	3/PKC	Hu	+	+																							
PKCα (pT497)	K14-984	Hu [†]	+	+																							
PKCα (pT638)	35/PKC	Hu	+																								
PKCθ	27	Hu	+																								
PLC-γ1	10/PLC-gamma	Hu	+																								
PLC-γ1 (pY783)	27/PLC	Hu	+																								
PLC-γ2	K86-1161	Hu [†]	+	+																							
PLC-γ2 (pY759)	K86-689.37	Hu	+	+																							
PLZF	R17-809	Hu	+																								
PLK1 (pT210)	K50-483	Hu	+																								
PTEN (MMAC1, TEP1)	A2B1	Hu [†]	+																								
PTF1A	S26-763	Hu [†]	+																								
Pyk2 (pY402)	L68-1256.272	Hu	+																								
Rb (a.a. 332-344)	G3-245	Hu [†]	+	+	+	+	+	+																			

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)										Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1		2	3	4			5	1	2	3	4	1		2		3				
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
p120 Catenin (pT310)			558667	558596						558596					558668						
p120 Catenin (pT916)			558669	558637						558637					558670						
p130^{Cas} (pY249)			558546	558538						558538					558547						
PARP, Cleaved Form (Asp 214)		558576		552933	564130			562388		552933							560640				
Pax5			562816	562688	562815						562815				562814						
Pax-6			561664	561552						561552											
PCNA		556030		556031						556031									555567		
PDPK1 (pS241) (PK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))			560090	560092						560092					560091						
PDX-1			562274	562161				563436		562161					562265						
Perforin		556577	563764	556437	563763			563762		556437	563763				563576						
Phosphotyrosine				558008						558008											
PKA RIIα (pS99)				560165						560165					560164						
PKA[RIIβ] (pS114)			560204												560205						
PKCα			560242												560243						
PKCα (pT497)			560139	560141						560141					560140						
PKCα (pT638)				560267						560267					560266						
PKCθ				560216						560216				560344							
PLC-γ1			558566	558575						558575					558565						
PLC-γ1 (pY783)			557884												557883						
PLC-γ2			560135	560134						560134					560136						
PLC-γ2 (pY759)			558507	558490						558490					558498						
PLZF				564850						564850					563490						
PLK1 (pT210)			558446	558445						558445					558447						
PTEN (MMAC1, TEP1)				560002						560002					560003						
PTF1A															564750						
Pyk2 (pY402)				560255						560255					560256						
Rb (a.a. 332-344)		556538																			

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6										
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786			
Rb (pS780)	J146-35	Hu	+	+																															
Rb (pS807/pS811)	J112-906	Hu	+	+																															
Rb, underphosphorylated (a.a. 514-610)	G99-549	Hu [†]	+	+	+	+	+	+																											
Recoverin	S36-208	Hu																																	
Ronin/THAP11	P56-507	Hu [†]																																	
ROR2	Ror2	Hu																																	
RORγt	Q21-559	Hu	+																					563282									563424		
RUNX3	R3-5G4	Hu [†]	+	+	+	+	+	+																											
S100A9 (MRP-14)	1H9	Hu																																	
S6 (pS235/pS236)	N7-548	Hu	+	+		+																			561457										
S6 (pS240)	N4-41	Hu	+	+																															
S6 (pS244)	N5-676	Hu	+	+																															
SATB1	14/SATB1	Hu	+																																
SHP2 (pY542)	L99-921	Hu	+	+																															
SLP-76	H3	Hu	+																																
SLP-76 (pY128)	J141-668.36.58	Hu	+																																
Smad1 (pS463/pS465)/ Smad8 (pS465/pS467)	N6-1233	Hu	+	+																															
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)	O72-670	Hu [†]	+	+																															
SNAI2/Slug	S43-1259	Hu [†]																																	
Somatostatin	U24-354	Hu																																	
Sox1	N23-844	Hu																																	
Sox2	245610	Hu																																	
	O30-678	Hu																							561610										
Sox7	S5-1216	Hu																																	
Sox9	T32-668	Hu																																	
Sox17	P7-969	Hu																																	
Src (pY418)	K98-37	Hu	+																																

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Rb (pS780)			558554	558548						558548					558555					
Rb (pS807/pS811)			558589	558549						558549					558590					
Rb, underphosphorylated (a.a. 514-610)		550501		550502						550502										
Recoverin				564906						564906										
Ronin/THAP11				562549						562549										
ROR2				565551						565551										
RORγt			563621	563081						563081					563620					
RUNX3				564814						564814										
S100A9 (MRP-14)				565793						565793										
S6 (pS235/pS236)			560434	560433						560433					560435					
S6 (pS240)			560431	560430						560430					560432					
S6 (pS244)				560462						560462					560465					
SATB1															562378					
SHP2 (pY542)										560389					560390					
SLP-76			560056	560058						560058					560057					
SLP-76 (pY128)			558439	558437						558437					558438					
Smad1 (pS463/pS465)/ Smad8 (pS465/pS467)				562509	563617					562509	563617									
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)				562586	562697					562586	562697				562696					
SNAI2/Slug				564615						564615										
Somatostatin			566032																	
Sox1				561592				561549		561592										
Sox2			560301 560292	560291						560291					560302					
				562195				561506		562195					562139					
Sox7				564695						564695										
Sox9															565493					
Sox17			562205	561591				562387		561591					562594					
Src (pY418)			560095	560094						560094					560096					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Stat1 (N-terminus)	1/Stat1	Hu	+	+		+	+	+																			
Stat1 (pS727)	K51-856	Hu	+	+		+	+	+																			
Stat1 (pY701)	4a	Hu [†]	+	+		+	+	+										566238									
Stat3	M59-50	Hu	+	+		+	+	+																			
Stat3 (pS727)	49/p-Stat3	Hu [†]	+	+		+	+	+																			
Stat3 (pY705)	4/P-STAT3	Hu [†]	+	+		+	+	+										565416									
Stat4 (pY693)	38/p-Stat4	Hu	+			+																					
Stat5 (pY694)	47	Hu	+	+		+	+	+										562984									
Stat6	23/Stat6	Hu	+	+		+	+																				
Stat6 (pY641)	18	Hu	+	+		+	+											561203									
Syk	4D10	Hu		+																							
Syk (pY348)	I120-722	Hu [†]		+																							
T-Bet	04-46	Hu [†]	+		+	+												563318	561312					564142	563320	564141	
	4B10	Hu [†]	+		+	+																					
TBK1 (pS172) (T2K, NAK)	J133-587	Hu																									
TBK1 (T2K, NAK)	637Ig11.2	Hu																									
TCF-7/TCF-1	S33-966	Hu [†]	+																								
TCL1	1-21	Hu	+	+																							
Terminal Transferase (TdT)	E17-1519	Hu	+	+														565230				565229					
THEMIS	Q13-1103	Hu	+															563721									
TIE2 (pY992) (TEK, VMCM, CD202b)	K91-860	Hu																									
TIE2 (pY1102) (TEK, VMCM, CD202b)	K93-754	Hu																									
TLR9	eB72-1665	Hu		+	+																						
β-Tubulin, Class III	TUJ1	Hu																									+

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Stat1 (N-terminus)				558537						558537					558560					
Stat1 (pS727)			560191	560069						560069					560190					
Stat1 (pY701)			612596	612564 562069 [†]	562674			560113		612564 562069 [†]	562674				612597 562070 [†]					
Stat3				560391						560391				560392						
Stat3 (pS727)			558085	558557						558557					558099					
Stat3 (pY705)			557814	612569 562072 [†]	562673			560114		612569 562072 [†]	562673				557815 562071 [†]					
Stat4 (pY693)			558136	558249 562073 [†]				561217		558249 562073 [†]					558137 562074 [†]					
Stat5 (pY694)			612598 562075 [†]	612567 562077 [†]	562501			560118	560117	612567 562077 [†]	562501		560117		612599 562076 [†]					
Stat6				560001				564149		560001					560000					
Stat6 (pY641)			612600	612701 562078 [†]				561195		612701 562078 [†]					612601 562079 [†]					
Syk		552476																		
Syk (pY348)			560081	558529						558529										
T-Bet			561266	561268	562467			561316		561268	562467				561267					
				561265						561265					561264					
TBK1 (pS172) (T2K, NAK)			558602	558604						558604					558603					
TBK1 (T2K, NAK)			558697	558696						558696					558698					
TCF-7/TCF-1				564217						564217										
TCL1															565856					
Terminal Transferase (TdT)		347194* 550756		347195* 550757						347195* 550757				347196*			565231			
THEMIS				562588						562588					563703					
TIE2 (pY992) (TEK, VMCM, CD202b)															560051					
TIE2 (pY1102) (TEK, VMCM, CD202b)			560053	560052						560052					560054					
TLR9				560425										560428						
β-Tubulin, Class III			560381												560394					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Human** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6			
Product Name	Clone	React											395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
Vimentin	RV202	Hu																										
Viperin	MaPVIP	Hu [†]																										
WIP (pS488)	K32-824	Hu	+																									
XBP-1S	Q3-695	Hu [†]		+															563382									
ZAP-70	1E7.2	Hu	+																									
Zap70 (pY292)	J34-602	Hu	+																									
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Hu [†]	+	+																								
Zbtb7b (Th-POK)	6/hcKrox	Hu	+																									

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)										Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1		2	3	4			5	1	2	3	4	1		2		3				
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
Vimentin			562338	562237						562237											
Viperin				565196						565196											
WIP (pS488)				558673						558673					558674						
XBP-1S				562642	562820					562642	562820				562821						
ZAP-70		344931*		344635*						344635*											
Zap70 (pY292)			558516	558510						558510					558515						
Zap-70 (pY319)/Syk (pY352)			557818	557881				561459	561458	557881			561458		557817						
Zbtb7b (Th-POK)				565730						565730											

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

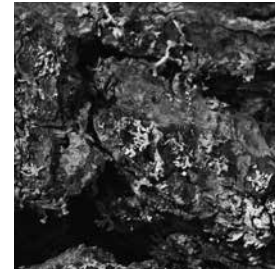
* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)



Hyla chrysoscelis, or cope's gray tree frog, uses skin coloration and texture to blend seamlessly against the bark of the trees where it resides. Should it be discovered though, the frog will expose bright orange or yellow markings on the underside of its legs as it jumps in order to confuse its pursuer. Cope's gray tree frogs can be found in much of the eastern United States and Canada, as far west as Texas.



Contents



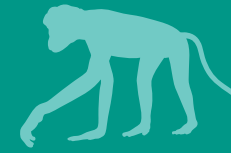
Human Antibody Reagents

Surface Markers	6 – 49
Intracellular Cytokines and Chemokines	50 – 55
Intracellular Cell-Signaling and Transcription Factors	56 – 73



Mouse Antibody Reagents

Surface Markers	76 – 105
Intracellular Cytokines and Chemokines	106 – 107
Intracellular Cell-Signaling and Transcription Factors	108 – 115



Non-Human Primate Antibody Reagents

Surface Markers	118 – 127
Intracellular Cytokines and Chemokines	128 – 129
Intracellular Cell-Signaling and Transcription Factors	130 – 131

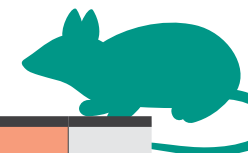
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max													UV Laser (355 nm)						Violet Laser (405 nm)					
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD1d (CD1.1, Ly-38)	1B1	Ms	+	+	+	+	+	+				740253						562712				563189	740366	740503	740711	740902	
CD2 (LFA-2)	RM2-5	Ms	+	+		+	+					740212						740010				740108	740338	740451	740655	740847	
CD3 (molecular complex)	17A2	Ms	+									740268			564380			564008	561389	565642		740147	564009	740530	740739	564010	
CD3e (CD3 ε chain)	145-2C11	Ms	+			+						565992 563565	564661		564618							563024	563004	564378	563123	564379	
	500A2	Ms	+			+						740221						740014	560804 560801		560773 560771	740113	740342	740461	740665	740854	
CD4 (L3T4)	GK1.5	Ms	+		+	+	-					565974 563790	564667	565709		564922		562891	563790						563232	563050	563331
	H129.19	Ms	+		+	+	-					740235						740024				740122	740352	740479	740684	740873	
	RM4-4	Ms	+		+	+	-					740209						740008		565634		740105	740336	740446	740651	740844	
	RM4-5	Ms	+		+	+	-					740208			564933			740007	560470 560468		560783 560782	563106	563151	563747	563726	563727	
CD5 (Ly-1)	53-7.3	Ms	+	+							740206				565273			562739	561244			563069	563194	740444	740649	740842	
CD5.1 (Ly-1.1)	H11-86.1	Ms	+	+																							
CD6	J90-462	Ms	+																								
CD8a (Ly-2)	53-6.7	Ms	+		+							565968 563786				564920		563898	560471 560469	566169 566096	560778 560776	563068	563152	563234	563046	563332	
CD8b (Ly-3)	H35-17.2	Ms	+									740278						740068				740155	740387	740552	740761	740952	
CD8b.2 (Ly-3.2)	53-5.8	Ms	+									740207						740006				740104	740335	740445	740650	740843	
CD9	KMC8	Ms										740244										740128	740360		740696	740886	
CD11a (Integrin α _L chain, LFA-1α)	2D7	Ms	+	+	+	+	+	+				740214						562918				740110	740340	740453	740657	740849	
	M17/4	Ms	+	+	+	+	+	+				740228						740020				563669	740347	740472	740676	740866	

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD1d (CD1.1, Ly-38)	565956 565955	553845 561756		553846				562713		553846					564706					553844
CD2 (LFA-2)		553111 561758		553112						553112										553110
CD3 (molecular complex)		555274 561798		561799 555275		555276		560527	560591	561799 555275		555276	560591	565643	557869		561388	560590		
CD3e (CD3 ε chain)		561827 553061 553062	557666	561824 553063 553064	562332 562286	561825 553065	561089 553067	561108 551163	561100 552774	561824 553063 553064	562332 562286	561825 553065	561100 552774	561826 553066				561042 557596		553059 553060
				553240						553240							557984			553239
CD4 (L3T4)		561828 557307 553729		561829 557308 553730					563933	561829 557308 553730								561830 552051	560246 560181	553728
		561831 553650 553651		561832 553652 553653		553654				553652 553653		553654								553648 553649
		553055																		557443
		561835 553046 553047	557667	561837 553048 553049	562314 562285	561836 553050	561090 553052	561115 550954	561099 552775	561837 553048 553049	562314 562285	561836 553050	561099 552775	561091 553051	557681		561025 557956	565650		553044 553045
CD5 (Ly-1)	565504	553020 553021		553022 553023		553024	553025			553022 553023		553024		561895 550035		565505				553018 553019
CD5.1 (Ly-1.1)		557487																		
CD6		558500		558499						558499										
CD8a (Ly-2)	564459 564422	561966 553030 553031	557668	561095 553032 553033	562315 562283	561094 553034	561092 553036	561109 551162	561097 552877	561095 553032 553033	562315 562283	561094 553034	561097 552877	561093 553035	557682	564983	557959	561967 557654	560247 560182	553028 553029
CD8b (Ly-3)				550798						550798										
CD8b.2 (Ly-3.2)		553040 561968		553041						553041										553039
CD9				564234						564234					564233					
CD11a (Integrin α _L chain, LFA-1α)		553120 561683		553121				562809	558191	553121			558191	562810						557365
		553340													563668					557455

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

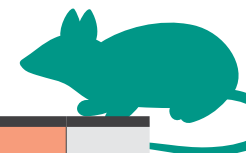
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD11b (Integrin α_M chain)	M1/70	Ms			+	+	+					565976 563553			565080	564443											
CD11c (Integrin α_x chain)	HL3	Ms	+		+	+	+	+				564080				564986		562782	560521	565627		562949	563057	564079	563048	563735	
	N418	Ms																565452 565451									
CD13	R3-242	Ms			+		+					740243						564354				740127	740359	740488	740695		
CD14	rmC5-3	Ms			+		+	+				740241				565309		740026	560639			740125	740357	740486	740692	740883	
CD16-2 (Fc γ RIV)	9E9	Ms																									
CD16/CD32 (Fc γ III/II receptor)	2.4G2	Ms		+	+	+	+	+				740217				565272		562896	560539			740111	563006	740457	740659	740851	
CD18 (Integrin β^2 chain, CR3/CR4)	C71/16	Ms	+	+	+	+	+	+	+	+	+	740225						562931				740114	740344	740465	740669	740858	
CD19	1D3	Ms	-	+	+	-	-	-	-	-	-	565965 563557			565076			562701	560376 560375	566167 566107		562956	563148	563235	563157	563333	
CD21/CD35 (CR2/CR1)	7G6	Ms	+	+								740249				565090		562756				563175	563176	740495	740703	740894	
CD22 (PY822)	12a/CD22	Ms																									
CD22.2 (Lyb-8.2)	Cy34.1	Ms		+								740233						740023				740120	740351	740477	740682	740871	
CD23 (Fc ϵ RII)	B3B4	Ms		+	+							740216				564436		562929				563200	563201	740456	563987	563988	
CD24 (Heat stable antigen)	M1/69	Ms	+	+	+								564664			565308		562563				563115	563060	563545	563450		
CD25 (IL-2 receptor α chain, p55)	3C7	Ms	+	+	+		+											566228 564370				740106		740447	740652	564368	
	7D4	Ms	+	+	+		+											564571									
	PC61	Ms	+	+	+		+					564022							561257	566202 566120		563037	563061	564021	740714	564023	
CD26 (THAM, DPP IV)	H194-112	Ms	+	+	+													740021						740474	740678	740868	

+ Positive[§] - Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD11b (Integrin α_M chain)	564455 564454	561688 557396 553310	557672	561689 557397 553311	562317 562287			561114 550993	561098 552850	561689 557397 553311	562317 562287		561098 552850	561690 553312	557686	564985	557960	561039 557657		557395 553309
CD11c (Integrin α_x chain)		561045 557400 553801		561044 557401 553802	562454			560584	561022 558079	561044 557401 553802	562454		561022 558079	561119 550261			560583	561241		553800
																565871 565872				
CD13		558744		558745						558745					564352					
CD14		553739 561710		561711 553740	564145			560638		561711 553740	564145			560634	565743			560636		
CD16-2 (Fc γ RIV)				565615						565615										
CD16/CD32 (Fc γ III/II receptor)		553144 561728		553145 561727				560540	560829	553145 561727			560829	558636		565502		560541		553143
CD18 (Integrin β^2 chain, CR3/CR4)		553292		553293				562827		553293				562828						557439
CD19		561740 557398 553785		561736 557399 553786	562329 562291			561113 551001	561739 552854	561736 557399 553786	562329 562291		561739 552854	561738 550992	557684	565473	557958	561737 557655	560245 560143	553784
CD21/CD35 (CR2/CR1)		553818 561769		552957	563959			562797		552957	563959			561770 558658						562796
CD22 (PY822)			560075	560076						560076										
CD22.2 (Lyb-8.2)		557474		553384						553384										553382
CD23 (Fc ϵ RII)	564637	553138 561772		561773 553139	563986				562825	561773 553139	563986		562825		562826					553137
CD24 (Heat stable antigen)		553261 561777		561079 553262	562477			562360	560536	561079 553262	562477		560536				564237			553260
CD25 (IL-2 receptor α chain, p55)		558689		553075						553075				558643						
		561779 553071 553072		558642						558642					563598					553069 553070
	564458 564424			561065 553866	562695 562694			561112 551071	561780 552880	561065 553866	562695 562694		561780 552880	561048 557192				561038 557658		
CD26 (THAM, DPP IV)		559652																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD27				561785 558754				563603	563604	561785 558754			563604	560691						558753
CD28				561789 553297	562765					553297	562765				562767					553296
CD29				562801						562801										
CD29 (Integrin β_1 chain)		555005		562154						562154					562153					555004
CD30				553825						553825										553824
CD31 (PECAM-1)		558738	563607						561410				561410		563608					558737
		561813 553372		561073 553373	563616			562861		561073 553373	563616			561814 551262		565509				553371
CD34 (Mucosalin)		560238 553733		551387						551387					560233 560230		560518			
CD35																				
CD36	565933 565094			562702						562702				562744						
CD38		558813		553764				562770		553764					562769					553762
CD40		553790 561845		561846 553791	562847					561846 553791	562847			558695						553789
		553723													563638					
CD41 (Integrin α_{11b} chain)		553848 561849		561850 558040						561850 558040										
CD43 (Ly-48, leukosialin)	564646	561856 553270		561857 553271				562865	562866	561857 553271			562866	560663						553269
CD44 (Pgp-1, H-CAM, Ly-24)	565941 564587	553133 561859		561860 553134	562464	561861 553135		560570	560569	561860 553134	562464	561861 553135	560569	561862 559250		565480	560567	560568		553132
CD45 (Leucocyte common antigen, Ly-5)	564590	561088 553079 553080		561087 553081	562420	561870 553082	561047 557235	561869 550994	561868 552848	561087 553081	562420	561870 553082	561868 552848	561018 559864		565478	560510	561037 557659		553077 553078
CD45.1 (Ly-5.1)		553775 561871		561872 553776	562452			560580	560578	561872 553776	562452		560578	561873 558701		565813 565814	561235	560579		553774
CD45.2 (Ly-5.2)		553772 561874		560695	565390			561096 552950	560696	560695	565390		560696	561875 558702			560693	560694		553771

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

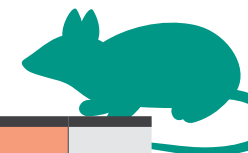
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6	
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD45R/B220	RA3-6B2	Ms [†]	+	+	+	+	+	-	-	-	-	563793	564662		565077	564449		562922	560473 560472	565631	561227 561226	563103	563708	563893	563892	563894
CD45RA	14.8	Ms	+	+	+	+	+	-	-	-	-	740232						740022				740119	740350	564360	740681	564361
CD45RB	16A	Ms	+	+	+	+	+	-	-	-	-	740211						565993 562849				740107	740337	740449	740654	740846
CD45RC	DNL-1.9	Ms	+	+	+	+	+	-	-	-	-							740009					740448	740653	740845	
CD47 (IAP)	miap301	Ms	+	+	+	+	+	+	+	+	+	740271						740055					740382	740536	740744	740935
CD48 (BCM1)	HM48-1	Ms	+	+		+	+					740236				565240		566242 562745				563536	740353	740481	740687	740876
CD49a	HA31/8	Ms	+			+					+	740262						740046				740144	740375	740519		740919
CD49b (Integrin α_2 chain)	HM α 2	Ms	+	+	+	+	+	-	+	-	+	740250						740030				740133	740363	740496	740704	740895
	Ha1/29	Ms [†]	+	+	+	+	+	-	+	-	+															
CD49b/Pan-NK Cells	DX5	Ms																563063	561638							
CD49d (Integrin α_4 chain)	9C10 (MRF4.B)	Ms	+	+	+	+	+	-	-	-	+							740016						740468	740672	740862
	DATK32	Ms																						740493	740701	740892
	R1-2	Ms	+	+	+	+	+	-	-	-	+	740219						740012				740112	740341	740458	740661	564397
CD49e (Integrin α_3 chain)	5H10-27	Ms	+	+	+	+	+	+	+	+	+							740017								
CD49f (Integrin α_6 chain)	GoH3	Ms [†]	+			+	+	+	+	+	+							562598					740416		740793	
CD51 (Integrin α_v chain)	RMV-7	Ms				+	-	+	+	+								740062								
CD53	OX-79	Ms																								
CD54 (ICAM-1)	3E2	Ms	+	+		+					+	740222						565987 564704				563628	740343	740462	740666	740855
CD55 (DAF)	RIKO-5	Ms	+	+	+	+	+	+	+	+	+															
CD61 (Integrin β_3 chain)	2C9.G2	Ms [†]				+	+	+	+	+		740229						566227 562917				740117	740348	740473	740677	740867
CD62E (E-selectin, ELAM-1)	10E9.6	Ms								+								740027					740487	740694	740885	
CD62L (L-selectin, LECAM-1, Ly-22)	MEL-14	Ms	+	+	+	+						740218			565213			562910	560507			563117	563252	564108	740660	564109

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD45R/B220		561877 553087 553088	557669	561878 553089 553090	562313 562290	561879 553091	561086 553093	561101 552771	561881 552772	561878 553089 553090	562313 562290	561879 553091	561881 552772	561880 553092	557683		557957	561102 552094	565371	553085 553086
CD45RA				553380				564359		553380					562763					557460
CD45RB		553099 553100		553101						553101					562848					553097 553098
CD45RC				557357						557357										
CD47 (IAP)		555298 561890		563585	563586					563585	563586				563584					
CD48 (BCM1)		557484		557485					560731	557485			560731	562746				561242		
CD49b (Integrin α_2 chain)				558759						558759				558295						
		554999																		
CD49b/Pan-NK Cells		561067 553857		561066 553858	562453					561066 553858	562453			560628						553856
				557420						557420										557419
CD49d (Integrin α_4 chain)																				
		553156		553157	564395					553157	564395				564394					557406
CD49e (Integrin α_5 chain)				557447	564313					557447	564313				564312					557446
CD49f (Integrin α_6 chain)		561893 555735		561894 555736	562493 562474	551129		562495 562475		561894 555736	562493 562474	551129			562494 562473					
CD51 (Integrin α_V chain)				551187						551187										551380
CD53	566061 565288														564931					
CD54 (ICAM-1)		553252 561898		553253						553253				561605						553251
CD55 (DAF)				558037						558037										
CD61 (Integrin β_3 chain)		553346 561911		561910 553347						561910 553347					563523					553345
CD62E (E-selectin, ELAM-1)				553751						553751										553750
CD62L (L-selectin, LECAM-1, Ly-22)	565261	553150 561917		561918 553151	562404			560513	560516	561918 553151	562404		560516	561919 553152		565159	560517	560514		553149

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

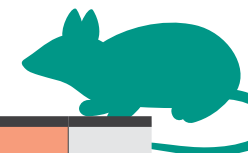
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)																		
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6												
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm											
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786											
CD62P (P-selectin)	RB40.34	Ms																740242								564289							740126	740358	563897	740693	740884
CD63	NVG-2	Ms	+	+																																	
CD64 a and b Alloantigens	X54-5/7.1	Ms																																			
CD69 (Very early activation antigen)	H1.2F3	Ms																740220																			
CD70	FR70	Ms	+	+																																	
CD71 (Transferrin receptor)	C2	Ms	+	+														740223																			
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)	K10.6	Ms																																			
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)	JY/93	Ms																																			
CD73 (Ecto-5-nucleotidase)	TY/23	Ms	+	+	+																																
CD74 (Ii)	In-1	Ms	+	+	+													740274																			
CD79b (Igβ)	HM79b	Ms		+														740272																			
CD80 (B7-1)	16-10A1	Ms [†]	+	+	+													740246																			
CD81 (TAPA-1)	Eat2	Ms [†]	+	+	+																																
CD83	Michel-19	Ms	+	+	+																																
CD86 (B7-2)	GL1	Ms	+	+	+													564199																			
	PO3	Ms	+	+	+																																
CD90.1 (Thy-1.1)	OX-7	Ms [†]	+		+	+												740261																			
	HIS51	Ms [†]	+		+	+													740260																		

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD62P (P-selectin)		553744 561923													563674					553743
CD63				564222						564222										
CD64 a and b Alloantigens				558455						558455					558539					
CD69 (Very early activation antigen)		561919 557392 553236		561932 553237	562455			561931 551113	561930 552879	561932 553237	562455		561930 552879	560689			561238	561240		553235
CD70				555286						555286				563634						555285
CD71 (Transferrin receptor)		553266 561936		561937 553267				562858		561937 553267					563504					557416
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)		550966																		
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)				550269						550269										
CD73 (Ecto-5-nucleotidase)			561545	550741						550741					561543					
CD74 (Ii)		555318 561941																		
CD79b (Igβ)		555303 561944																		
CD80 (B7-1)		553768 561954		561955 553769	562504			560526		561955 553769	562504			560016						553767
CD81 (TAPA-1)				559519						559519										559518
CD83			563539	558205						558205				558206						
CD86 (B7-2)		561962 553691		561963 553692					560582	561963 553692			560582	561964 558703		565479	560581			553690
CD90.1 (Thy-1.1)		554897 561973		551401 554898			557266		561404	551401 554898			561404	561409				561401		554896
		554894																		554893

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

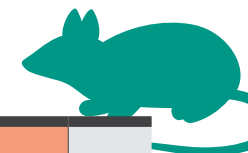
Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React											395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
													BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD90.2 (Thy-1.2)	30-H12	Ms											740205						740005				740103	740334	740443	740648	740841
	53-2.1	Ms											565257							561643	566082 566075	561616	740102	563008	740442	740647	564365
CD95 (Fas/APO-1)	Jo2	Ms	+	+	+		+			+			740254						562633				563646	740367	740507	740716	740906
CD93	493	Ms		+							+								740064						740548	740757	740948
	AA4.1	Ms		+							+		740275										740152	740386		740750	740941
CD94	18D3	Ms	+			+													740067						740551	740760	740951
CD96 (TACTILE)	6A6	Ms																	565687								
CD100 (Sema4D)	BMA12	Ms																									
CD101	307707	Ms	+	-	+	-	+	+	+	-	-																
CD102 (ICAM-2)	3C4 (mIC2/4)	Ms	+	+	+		+		+				740227						740018				740116	740346	740470	740674	740864
CD103 (Integrin α_{IEL} chain)	M290	Ms	+										740238						566297 562771		566201 566118	563087	740355		564320	564322	
	M293	Ms	+																								
CD104	346-11A	Ms	+																								
CD105	MJ7/18	Ms					+					+	740316						562760				740188	740425	740609	740808	564746
CD106 (VCAM-1)	429 (MVCAM.A)	Ms			+		+												740019	561615					740471	740675	740865
CD107a (LAMP-1)	1D4B	Ms	+	+			+						565533						564347	560648						564348	564349
CD107b (LAMP-2)	ABL-93	Ms	+				+												564249								
CD115	T38-320	Ms																									
CD117 (c-Kit)	2B8	Ms	+	+	+	+	+	+				+	564011						566290 562609	560558	566081 566074				563399	563160	564012
	ACK45	Ms	+	+	+	+	+	+				+								740036					740506	740715	740905
CD119	GR20	Ms	+	+	+	+	+	+			+	+							740032					740498	740706	740897	
CD120b (TNF receptor, Type II/p75)	TR75-89	Ms	+	+	+	+	+	+			+	+							564088								



+ Positive⁵ - Negative

⁵Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD90.2 (Thy-1.2)		553012 553013		553014						553014										553011
		553003 553004		553005 553006					561642	553005 553006			561642	561974 553007				561641		553001 553002
CD95 (Fas/APO-1)	565605	554257 561979		561985 554258	562499				557653	561985 554258	562499		557653		563647					554256
CD93																				
CD94																				
CD96 (TACTILE)																				
CD100 (Sema4D)				565556						565556										
CD101															564473					
CD102 (ICAM-2)		557444																		557441
CD103 (Integrin α_{IEL} chain)		557494		561043 557495	565849			563637		561043 557495	565849			562772		565529				557493
		557497		557498						557498										
CD104	565600																			
CD105	565944 564744			562759	562762					562759	562762				562761					
CD106 (VCAM-1)		553332 561678		561613						561613					561612					553331
CD107a (LAMP-1)		561069 553793		558661					560647	558661			560647	560646						
CD107b (LAMP-2)		558758		564246				564248		564246					564247					
CD115				565249						565249										
CD117 (c-Kit)	564481	553354 561680		561075 553355	562417			560557	558163	561075 553355	562417		558163	561074 553356		565476			560250 560185	553353
				553869						553869										
CD119																				
CD120b (TNF receptor, Type II/p75)				550086						550086										550476

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog Mouse Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD121a (IL-1 receptor, type I/p80)	35F5	Ms	+		+													564387									
CD121b (IL-1 receptor, type II/p60)	4E2	Ms	+	+	+			+										562926									
CD122 (IL-2 and IL-15 receptor β chain)	5H4	Ms	+	+		+	+											564925							740509	740718	740908
	TM-b1	Ms	+	+		+	+					740230						566301				740118	740349	740475	740679	740869	
CD124 (IL-4 receptor α chain)	mIL4R-M1	Ms	+	+	+			+		+	+							566231									
CD125 (IL-5 receptor α chain)	T21	Ms		+				+				740324						565015				740193	740429	740623	740817	741025	
CD126 (IL-6 receptor α chain)	D7715A7	Ms	+	+	+			+										740038				740137	740368	740511	740720	740910	
CD127 (IL-7 receptor α chain)	SB/199	Ms	+	+				+								564399		566300	561205			563353			565490	563748	
CD131 (β _{IL-3R} , β _c)	JOR050	Ms	+	+														740050									
CD132 (Common γ chain, γ _c)	4G3	Ms	+	+	+			+										740037									
	TUGm2	Ms	+	+	+			+										740039									
CD134	OX-86	Ms	+															740061							740545	740754	740945
CD135 (Flk-2/Flt3, Ly-72)	A2F10.1	Ms	+	+	+			+										566292					564013		564014		
CD137 (4-1BB, Ly-63)	1AH2	Ms	+	+	+	+	+					740251						740033				740134	740364	740499	740707	740898	
CD138 (Syndecan-1)	281-2	Ms		+				+				740240				564430		566289	562610			563192		564068	563193	740880	
CD140a	APA5	Ms						+				740269						566293				740148	740380	740531	740740	740930	
CD144	11D4.1	Ms								+	+							562795									
CD146	ME-9F1	Ms	+		+							740330						740095	562232			740200	740434	740636	740827	741037	
CD147	RL73	Ms						+	+	+		740321						562934				740191	740427	740617	740815	741019	
CD150	Q38-480	Ms	+	+	+					+								566298									
CD152 (CTLA-4)	UC10-4F10-11	Ms	+	+																							
CD153 (CD30 ligand)	RM153	Ms	+	+				+										740059							740542	740751	740942
CD154 (CD40 ligand, gp39)	MR1	Ms	+	+				+																	740480	740685	740874

+ Positive¹ – Negative

¹Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD121a (IL-1 receptor, type I/p80)				557489						557489					563629					
CD121b (IL-1 receptor, type II/p60)				554450						554450										
CD122 (IL-2 and IL-15 receptor β chain)		554452													564924					
		553361 561693		553362	564763			564764		553362	564763			564762					559884	
CD124 (IL-4 receptor α chain)				561695 552509						552509					564084				552508	
CD125 (IL-5 receptor α chain)			558533	558488						558488										
CD126 (IL-6 receptor α chain)				554462						554462										
CD127 (IL-7 receptor α chain)			561533	552543	562419				560733	552543	562419		560733	564175						
CD131 (β _{IL-3R} , β _c)				559920						559920										
CD132 (Common γ chain, γ _c)				554457						554457										
				554471						554471									554470	
CD134																				
CD135 (Flk-2/Flt3, Ly-72)				561068 553842	562537					561068 553842	562537			560718						
CD137 (4-1BB, Ly-63)		558975		558976						558976									558974	
CD138 (Syndecan-1)	566207 564511			561070 553714						561070 553714				561705 558626		565176			553713	
CD140a				562776	562775					562776	562775			562777						
CD144				562243						562243					562242					
CD146			562229	562196				562231		562196					562230					
CD147				562676	562836					562676	562836									
CD150				562651											562647					
CD152 (CTLA-4)				561718 553720	564332					561718 553720	564332			564331						
CD153 (CD30 ligand)				559232						559232										
CD154 (CD40 ligand, gp39)				561719 553658						561719 553658									553657	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

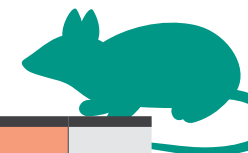
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
CD155	3F1	Ms	+	+	+																													
CD157 (BP-3 alloantigen)	BP-3	Ms	+	+		+	+																	740085						740611	740810	741012		
CD159a	20D5	Ms	+		+				740276					740153		740549	740758	740949																
CD160	CNX46-3	Ms	+		+																			740096					740637	740828	741038			
CD162 (PSGL-1)	2PH1	Ms	+			+	+	+					+	740273										562807			563448	740384	740538	740746	740937			
CD170	E50-2440	Ms				+	+						+	740280													740158	740388	740557	740764	740956			
CD172a (SIRPα, SHPS-1, BIT)	P84	Ms			+	+	+						+	740282													740159	740390		740766				
CD178 (Fas ligand, CD95 ligand)	MFL3	Ms	+		+																													
CD178.1 (mFasL.1, CD95 ligand)	Kay-10	Ms	+		+																													
CD179b	LM34	Ms		+									+											740069						740555	740762	740954		
CD180	RP/14	Ms		+	+		+																	740070						740558	740765	740957		
CD183	CXCR3-173	Ms	+	+		+	+																	566283 562937						740630	740825	741032		
CD184 (CXCR4, fusin)	2B11/CXCR4	Ms	+	+			+	+						740265										562738	560875			563468	740378	740526	740734	740926		
CD185 (CXCR5)	2G8	Ms	+	+	+								563980											562889						563981				
CD193 (CCR3)	83103	Ms	+		+		+	+																740003						740440	740645	740839		
CD195 (CCR5)	C34-3448	Ms	+		+	+	+																											
CD196 (CCR6)	140706	Ms	+	+	+																			564736							740441	740646	740840	
CD197 (CCR7)	4B12	Ms	+	+	+																			566291 562675	560805				740431	564356		564355		
CD199 (CCR9)	CW-1.2	Ms																						565412										
CD200	OX-90	Ms	+	+	+																			565547										
CD206	MR5D3	Ms																																
CD207 (Langerin)	81E2	Ms																																
CD209a	5H10	Ms			+		+																								740621	740816	741023	
CD210 (IL-10 receptor)	1B1.3a	Ms	+	+	+	+	+																											

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD155				565797						565797										
CD157 (BP-3 alloantigen)				552814						552814										
CD159a																				
CD160				562216	562512			562218		562216	562512				562217					
CD162 (PSGL-1)				555306				564310		555306					562806					
CD170																				
CD172a (SIRPα, SHPS-1, BIT)		560316		560107						560107				560106						
CD178 (Fas ligand, CD95 ligand)				555293						555293										555292
CD178.1 (mFasL.1, CD95 ligand)				553854						553854										553853
CD179b																				
CD180																				
CD183				562152						562152				562266						
CD184 (CXCR4, fusin)		561735 551967		551966	565019					551966	565019			558644		565522				551968
CD185 (CXCR5)		561989 560577			562856			560528	560617		562856		560617	560615		565503				551960
CD193 (CCR3)															557974					
CD195 (CCR5)	566208 565093			559923						559923										559922
CD196 (CCR6)															561753 557976					
CD197 (CCR7)				560682	563596			560812		560682	563596				560766					
CD199 (CCR9)																				
CD200				565543						565543					565544	565546				
CD206															565250					
CD207 (Langerin)															564937					
CD209a																				
CD210 (IL-10 receptor)				559914						559914										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

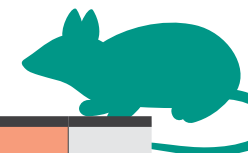
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6						
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm														
Product Name	Clone	React	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon BV450	BD Horizon BV480	BD Horizon BV500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786														
CD212 (IL-12 receptor β chain)	114	Ms	+	+	+	+	+											740051													
CD223 (LAG3)	C9B7W	Ms	+	-	-	+												740072						740560	563179	740959					
CD226	10E5	Ms																													
CD229.1 (Ly-9.1)	30C7	Ms	+	+					740213					740109	740339	740452	740656	740213								740848					
CD244.2 (2B4 B6 alloantigen)	2B4	Ms							740226					740115	740345	740467	740671	740226								740860					
CD249	6C3	Ms		+														740013													
	BP-1	Ms		+														740025							740485	740691	740882				
CD267 (TACI)	8F10	Ms		+																											
CD270	C46	Ms	+	+	+	+	+	+																							
CD272 (BTLA)	HMBT-6B2	Ms	+	+	+	-	+	-										740099						740640	740834	741043					
CD273 (B7-DC, PD-L2)	TY25	Ms	+		+		+		565102					740194	740430	740624	740818	565102								741026					
CD274 (B7-H1, PD-L1)	MIH5	Ms	+	+	+	+	+											564716						740614	563369	741014					
CD276	MIH32	Ms	+	+	+	+	+											740331						740201	740435	740638	740829	741039			
CD278 (ICOS)	7E.17G9	Ms	+															564070							740556	740763	740955				
	C398.4A	Ms [†]	+																												
CD279 (PD-1)	J43	Ms	+	+														565942						563059			562584				
CD282 (TLR-2)	6C2	Ms			+		+											740000													
CD284/MD-2 Complex (TLR4/MD-2 complex)	MTS510	Ms																740087													
CD285 (TLR5)	ACT5	Ms																													
CD287 (TLR7)	A94B10	Ms																													
CD289 (TLR9)	J15A7	Ms																													
CD309	AVAS 12α1	Ms																							740539	740747	740938				
CD314 (NKG2D)	CX5	Ms	+	+	+													562800								563694					
CD321 (JAM-1)	H202-106	Ms	+	+	+	+	+	+																							
CD326 (EPCAM)	G8.8	Ms																740281							563214		563216	740389	740559	563134	740958

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	Alexa Fluor® 488	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD212 (IL-12 receptor β chain)				551974						551974										551973
CD223 (LAG3)	566210 564672			552380				564673		552380				562346						
CD226															565549					
CD229.1 (Ly-9.1)		553117		560201						560201				560188						557363
CD244.2 (2B4 B6 alloantigen)		553305 561778		553306						553306										557452
CD249																				
CD267 (TACI)				558410						558410					558453					
CD270														564470						
CD272 (BTLA)				563774						563774										
CD273 (B7-DC, PD-L2)				557796						557796				560086						
CD274 (B7-H1, PD-L1)				558091						558091										
CD276																				
CD278 (ICOS)	566214 564592			552146						552146					563469					552145
				565669						565669										
CD279 (PD-1)				561788 551892	562523					561788 551892	562523			562671		565815				
CD282 (TLR-2)															562625					
CD284/MD-2 Complex (TLR4/MD-2 complex)				558294						558294										
CD285 (TLR5)				565645						565645										
CD287 (TLR7)				565557						565557										
CD289 (TLR9)				565640						565640										
CD309																				
CD314 (NKG2D)				558403	562614					558403	562614			562347						
CD321 (JAM-1)				564908						564908										
CD326 (EPCAM)	565425			563477						563477				563478						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

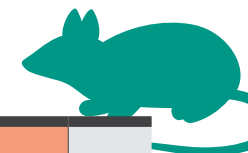
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6	
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD335 (NKp46)	29A1.4	Ms										740326				565085		562850	560764 560763			563455	564069	740627	740822	741029
CD352	13G3	Ms	+	+														740090						740628	740823	741030
CD357	DTA-1	Ms	+									740322										740192	740428	740618		741020
A2B5	105/A2B5	Ms [†]																								
Annexin V	-	-										564871						563973	560506		561501		563974		563972	
B7-H3 (CD276)	MIH32	Ms	+	+	+	+	+											562634								
B7-H4	MIH29	Ms	+																							
CCRL2	BZ2E3	Ms																565207								
Clec9A	10B4	Ms																564271								
Clec12A	5D3	Ms																564795								
Delta-Like Protein 1	30B11.1	Ms																								
Delta-Like Protein 4	9A1.5	Ms																								
Dendritic Cells	33D1	Ms																								
DO-11.10 Clonotypic TCR	KJ1-26	Ms	+																							
Early B Lineage (CD93)	AA4.1	Ms																563806						563807		
F4/80	T45-2342	Ms										565614						565411		565635						565612
F4/80-Like Receptor	6F12	Ms																563900				563633				
FR4	12A5	Ms	+																							
	TH6	Ms	+																							
GITR	DTA-1	Ms	+															563391								563390
GITR Ligand	MIH44	Ms																563366				563367				
H-2D ^b	KH95	Ms	+	+	+	+	+	+	+																	
H-2D ^d	34-2-12	Ms	+	+	+	+	+	+	+																	
	34-5-8S	Ms	+	+	+	+	+	+	+																	
H-2D ^k	15-5-5	Ms	+	+	+	+	+	+	+																	

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)										Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1		2	3	4			5	1	2	3	4	1		2		3				
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD335 (NKp46)		560756		560757				560800		560757					560755		561169				
CD352																					
CD357																					
A2B5														563776							
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474					556418 556417		
B7-H3 (CD276)			562863	562357						562357				562862							
B7-H4				562239						562239				563639							
CCRL2				564946						564946											
Clec9A	566033 565320			562734										564272							
Clec12A				562773										564794							
Delta-Like Protein 1				563684						563684											
Delta-Like Protein 4				563802						563802											
Dendritic Cells	565171			557578				565222		557578				564882					552776		
DO-11.10 Clonotypic TCR				551772						551772				562524							
Early B Lineage (CD93)	566209 564700	559156 561990		558039	563805					558039	563805										
F4/80				565410	565613					565410	565613				565854 565853						
F4/80-Like Receptor			564227	563899						563899				564226							
FR4				560320						560320				560318							
				560324						560324				560319							
GITR		558139		558119					558140	558119			558140	565151							
GITR Ligand				563541						563541				563542							
H-2 ^b		553573 562000		553574						553574									553572		
H-2 ^d		553579 562001		553580						553580									553578		
				558917						558917											
H-2 ^k		553585																			

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max													UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6					
Product Name	Clone	React														395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786													
H-2K ^b	AF6-88.5	Ms	+	+	+	+	+	+			+	+	+															566240 562942		
H-2K ^b /H-2D ^b	28-8-6	Ms	+	+	+	+	+	+			+	+	+																	
H-2K ^d	SF1-1.1	Ms	+	+	+	+	+	+			+	+	+																	
H-2K ^k	36-7-5	Ms	+	+	+	+	+	+			+	+	+																	
	AF3-12.1	Ms	+	+	+	+	+	+			+	+	+																	
H-2K ^q	KH114	Ms	+	+	+	+	+	+			+	+	+																	
H-2K ^s	KH49	Ms	+	+	+	+	+	+			+	+	+																	
I-A/I-E	2G9	Ms		+	+								+																	
	M5/114.15.2	Ms		+	+		+						+					562564		566088 566086	562366		563413	563415	563414					
I-A ^b	AF6-120.1	Ms		+	+		+						+														566229 562928			
I-A ^b (A _B ^b)	25-9-17	Ms		+	+		+						+																	
I-A ^d	39-10-8	Ms		+	+		+						+																	
	AMS-32.1	Ms		+	+		+						+																	
I-A ^k (A _α ^k)	11-5.2	Ms		+	+		+						+																	
I-A ^k (A _β ^k)	10-3.6	Ms		+	+		+						+																	
I-A ^p	7-16.17	Ms		+	+		+						+																	
I-E ^k	17-3-3	Ms		+	+		+						+																	
	14-4-4S	Ms [†]		+	+		+						+																	
Ig (affinity-purified)	Polyclonal	Ms	+																											
Ig, κ light chain	187.1	Ms	+															562888	561354											
	X36	Ms	+																											
IgA	C10-3	Ms	+																											

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
H-2K ^b		553569 562002		561072 553570				562831		561072 553570					562832					553568
H-2K ^b /H-2D ^b																				553576
H-2K ^d		553565 562003		562004 553566						562004 553566										553564
H-2K ^k		553592 562005		553593						553593										553591
		553554																		
H-2K ^q		553597																		
H-2K ^s		558841																		
I-A/I-E	565254	553623 562009		562010 558593						562010 558593										553622
			562352	557000				562363		557000					562367					
I-A ^b		553551 562011		562012 553552	562824					562012 553552	562824			562823						553550
I-A ^b (A _B ^b)		553605																		553604
I-A ^d		553610																		553609
		553547 562013		553548						553548										553546
I-A ^k (A _α ^k)		553536		553537						553537										558794
I-A ^k (A _β ^k)		553540 562014																		553539
I-A ^p		558921																		
I-E ^k		558846																		558845
		553543 562015		553544						553544										558735
Ig (affinity-purified)		349031*																		
Ig, κ light chain		550003		561021 559940	562476			560668	560667	562021 559940	562476		560667				561351	561353		559750
				349073*						349073*										
IgA		559354																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

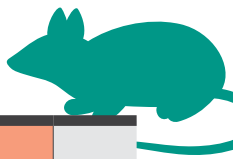
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)														
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
IgD	11-26c.2a	Ms	+															566219 564274							560869	566199 566106		563110	563003		564275	563618		
IgD ^a (Igh-5a, Igh-5.4)	AMS 9.1	Ms	+																															
IgD ^b (Igh-5b)	217-170	Ms	+																															
IgE	R35-72	Ms	+																					564207				563097		564208		564206		
IgG & IgM (human adsorbed)	Polyclonal	Ms	+																															
IgG ₁	A85-1	Ms	+															740234							562580	562107			740121	563285	740478	565786	740872	
	X56	Ms	+																															
IgG _{2a}	R19-15	Ms	+																					565817					564024					
IgG _{2a/2b}	R2-40	Ms	+																															
IgG _{2a+b}	X57	Ms	+																															
IgG _{2a} ^a (Igh-1a)	8.3	Ms	+																															
IgG _{2b}	R12-3	Ms	+																															
IgG ₃	R40-82	Ms	+																						565808								565809	
	II/41	Ms	+																															
IgM	R6-60.2	Ms	+															566217 564025							562595	560575			563118		564027	564026	564028	
	DS-1	Ms	+																															
IgM ^a (Igh-6a)	DS-1	Ms	+																															
IgM ^b (Igh-6b)	AF6-78	Ms	+																															
IL-17 Receptor B	6B7	Ms	+																															
IL-21 Receptor (CD360)	4A9	Ms	+	+		+																												
IL-23R	O78-1208	Ms	+		+																													
IL-27R	2918	Ms	+	+																														
Integrin αvβ5	ALULA	Ms [†]																																
JAML	4E10	Ms	+																															
KLRG1	2F1	Ms	+		+													740279																

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IgD		553439 562022		558597				564273		558597				560868					565348	
IgD ^a (Igh-5a, Igh-5.4)		553507																	553506	
IgD ^b (Igh-5b)		553510		553511						553511									553509	
IgE		553415																	553414	
IgG & IgM (human adsorbed)		555988																		
IgG ₁		562026 553443		562027 550083	562559					562027 550083	562559			560089					553441	
		565104		340270*			340272*			340270*				550874						
IgG _{2a}		553390 562028																	553388 550332	
		553399																	553398	
IgG _{2a/2b}																				
IgG _{2a+b}				340269*			340271*			340269*										
IgG _{2a} ^a (Igh-1a)																			553502	
IgG _{2b}		553395																	553393 550333	
IgG ₃		553403																	553401	
		553437												562032 550676					553436	
IgM		562033 553408		553409	562565			562034 550881	552867	562033 553409	562565		552867						553406	
		553516		553517						553517									553515	
IgM ^a (Igh-6a)		553520		553521						553521									553519	
IgM ^b (Igh-6b)														565866						
IL-17 Receptor B																				
IL-21 Receptor (CD360)				558607						558607										
IL-23R	566212 565011			562497				564828		562497										
IL-27R				564337						564337										
Integrin αvβ5														565836						
JAML				564218						564218										
KLRG1			561619	561621	565393			563595		561621	565393			561620					550863	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

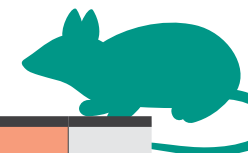
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)																						
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6																	
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786										
LAP	TW7-16B4	Ms	+															565638																								
Lineage Cocktail	-	Ms	+	+	+	+	+	+																561301																		
LPAM-1 (Integrin $\alpha_7\beta_1$ complex)	DATK32	Ms	+	+																				566294 562943																		
Ly-6A/E (Sca-1)	D7	Ms	+	+																				566216 563990	562729	560653		561229 561228	565507	563288	740450	563992	563991									
	E13-161.7	Ms	+	+																																						
Ly-6C	AL-21	Ms	+			+	+	+																	562727	560594				563011												
Ly-6d	49-H4	Ms	+	+																																						
Ly-6G	1A8	Ms																						565964 563978				565707					562737	560603				740157	563005	740554	563979	740953
Ly-6G and Ly-6C (Gr-1)	RB6-8C5	Ms																						566218 563849		562709	560454 560453			563040	563299	740454	740658	740850								
Ly-49A ^{B6}	A1	Ms	+	+	+	+																																				
Ly-49C and Ly-49I	5E6	Ms	+																																							
Ly-49D	4E5	Ms																																								
Ly-49F	HBF-719	Ms	+																																							
Ly-49G2 (LGL-1)	4D11	Ms	+																																							
Ly-49G2 ^{B6}	Cwy-3	Ms																																								
Ly-49H	3D10	Ms																																								
Ly-49I	YLI-90	Ms																																								
Ly-51 (6C3/BP-1 antigen)	6C3	Ms		+	+																																					
	BP-1	Ms		+	+																																					
Ly-108 (CD352)	13G3	Ms	+	+	+	+	+	+																																		
Mac-3	M3/84	Ms			+		+																																			
MD-1 (Ly-86)	MD14	Ms		+																																						

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
LAP				563143						563143					565636					
Lineage Cocktail								561317						558074						
LPAM-1 (Integrin $\alpha_v\beta_3$ complex)				553811	562668					553811	562668			562376						
Ly-6A/E (Sca-1)	565397	562058 557405		562059 553108	562730				561021 558162	562059 553108	562730		561021 558162					560654	557404	
		561077 553335		561076 553336						561076 553336					565355				553334	
Ly-6C		561085 553104		560592	562728			560525	560593	560592	562728		560593	560595			561237	560596		557359
Ly-6d		561148		561149						561149					561147					
Ly-6G		561105 551460		561104 551461	562700			560602	560601	561104 551461	562700		560601	560599			561236	560600	565369	
Ly-6G and Ly-6C (Gr-1)		562060 553126 553127		561084 553128	562710			561103 552093	552985 565033	561084 553128	562710		552985	561083 553129		565510	557979	557661		553124 553125
Ly-49A ^{B6}		553677		557424						557424										557423
Ly-49C and Ly-49I		553276 562055		553277						553277										557418
Ly-49D		555313 562056																		
Ly-49F				550987						550987										550986
Ly-49G2 (LGL-1)		555315							560730				560730	555316						
Ly-49G2 ^{B6}		550580																		
Ly-49H		562536		562206	562519					562206	562519				562207					
Ly-49I				550595						550595										
Ly-51 (6C3/BP-1 antigen)		553160 562057																		553159
				553735						553735										
Ly-108 (CD352)				561540						561540					561547					
Mac-3		553323 562061		553324				564844		553324					564843					
MD-1 (Ly-86)															558204					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

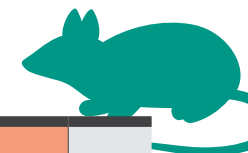
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)																											
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6																						
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786															
NK-1.1 (NKR-P1B and NKR-P1C)	PK136	Ms	+			+												564144														562921	560524					563096	563220	564143	740663	740853					
NKG2A/C/E	20d5	Ms	+			+																																	564382								
NK-T/NK Cell Antigen (ICAM-1)	U5A2-13	Ms	+			+																																									
Notch1	22E5.5	Ms	+	+		+	+																																								
Notch2	16F11	Ms	+	+																																											
P2X7	1F11	Ms																																													
PIR-A/B	6C1	Ms		+	+		+																																								
RAE-1	CX1	Ms																																													
RANKL/TRANCE	IK22-5	Ms	+																																												
Siglec-F	E50-2440	Ms																																													
Siglec-G	SH1	Ms		+																																											
SSEA-1	MC480	Ms																																													
SSEA-3	MC631	Ms [†]																																													
Streptavidin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	564176	564666	565765	565081	564293	564923	563259	560797		561419	563261	563260	563855	563262	563858														
Syndecan-4	KY/8.2	Ms	+	+																																											
T- and B-Cell Activation Antigen (GL7, Ly-77)	GL7	Ms	+	+																					562967																						
TCR β chain	H57-597	Ms	+																					564799	562839	560706																					
TCR γδ	GL3	Ms	+																							562892																					
TER-119/Erythroid cells (Ly-76)	TER-119	Ms																																													
TIGIT	1G9	Ms																																													

+ Positive[†] - Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
NK-1.1 (NKR-P1B and NKR-P1C)		561082 553164		561046 557391 553165	562864			561111 551114	562062 552878	561046 557391 553165	562864		562062 552878	561117 550627			560515	560618		553163
NKG2A/C/E		550520 562063						564384						564383						550519
NK-T/NK Cell Antigen (ICAM-1)				550082						550082										
Notch1				562754																
Notch2				562755																
P2X7				565345						565345										
PIR-A/B				550349						550349										
RAE-1				558078						558078										
RANKL/TRANCE				560295						560295					560296					
Siglec-F	566211 564514			562068 552126	562757			565526	565527	552126	562757				562680	565183				
Siglec-G					563337						563337				563336					
SSEA-1		560127		560886 560142	562486					560886 560142	562486				562277 560120					
SSEA-3		560881 560236		560879 560237	562486			561564		560879 560237	562486									
Streptavidin	564453	554060		554061 349023*	562318 562284	554062	554064 340130*	551419	557598	554061 349023*	562318 562284	554062	557598	554067 349024*				554063		
Syndecan-4				550352						550352										550351
T- and B-Cell Activation Antigen (GL7, Ly-77)	566054 565401	553666 562080		561530						561530					561529					
TCR β chain		562081 553170 553171		561081 553172	562841	553173		560657	560729	561081 553172	562841	553173	560729	561080 553174			560705	560656		553168 553169
TCR γδ		553177 561996		561997 553178	563532					561997 553178	563532									553176
TER-119/Erythroid cells (Ly-76)	564760	561032 557915		561071 553673				560512	557853	561071 553673			557853	561033 557909		565512	560508	560509		553672
TIGIT				565168						565168						565474				

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)															
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6										
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786			
TIM-4	RMT4-54	Ms				+																													
	21H12	Ms				+																													
TLT-2	MIH47	Ms	+	+	+	+	+																	564185											
Vα2 TCR	B20.1	Ms	+																				566241 562944	560625				563286							
Vα3.2 ^{b,c} TCR	RR3-16	Ms	+																																
Vα8.3 TCR	B21.14	Ms	+																																
	KT50	Ms	+																																
Vβ2 TCR	B20.6	Ms	+																																
Vβ3 TCR	KJ25	Ms	+																																
Vβ4 TCR	KT4	MS	+																																
Vβ5.1, 5.2 TCR	MR9-4	Ms	+																																
Vβ6 TCR	RR4-7	Ms	+																																
Vβ7 TCR	TR310	Ms	+																																
Vβ8 TCR	F23.1	Ms	+																																
Vβ8.1, 8.2 TCR	MR5-2	Ms	+																																
Vβ8.3 TCR	1B3.3	Ms	+																																
Vβ9 TCR	MR10-2	Ms	+																																
Vβ10 ^b TCR	B21.5	Ms	+																																
Vβ11 TCR	RR3-15	Ms	+																																
Vβ11.1, 11.2 ^{b,d} TCR	RR8-1	Ms	+																																
Vβ12 TCR	MR11-1	Ms	+																																
Vβ13 TCR	MR12-3	Ms	+																						561539										
Vβ14 TCR	14-2	Ms	+																																
Vβ17 ^a TCR	KJ23	Ms	+																																
Vδ4 TCR	GL2	Ms	+																																
Vδ6.3/2 TCR	8F4H7B7	Ms	+																																
Vγ2 TCR	UC3-10A6	Ms	+																																
Vγ3 TCR	536	Ms	+																																

+ Positive[§] – Negative

[§]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
TIM-4				564147						564147					564178					
TLT-2															564177					
Vα2 TCR		562085 553288		561078 553289				560529	560624	561078 553289			560624	560622			561239	560623	553287	
Vα3.2 ^{b,c} TCR		553219																	553218	
Vα8.3 TCR		553376		553377						553377									557096	
Vβ2 TCR		553280		553281						553281									553279	
Vβ3 TCR		553208		553209						553209									553207	
Vβ4 TCR		553365		553366															553364	
Vβ5.1, 5.2 TCR		553189 562087		562086 553190						562086 553190									553188	
Vβ6 TCR		553193		553194						553194									553192	
Vβ7 TCR		553215		553216						553216										
Vβ8 TCR		553861		553862						553862									553860	
Vβ8.1, 8.2 TCR		553185		553186						553186									553184	
Vβ8.3 TCR		553663		553664						553664										
Vβ9 TCR		553201																		
Vβ10 ^b TCR		553284		553285						553285										
Vβ11 TCR		553197		553198						553198									553196	
Vβ11.1, 11.2 ^{b,d} TCR		553222		553223						553223									553221	
Vβ12 TCR		553300																	553299	
Vβ13 TCR		553204		561541						561541				561542						
Vβ14 TCR		553258																	553257	
Vβ17 ^a TCR		553212																		
Vδ4 TCR		552143																		
Vδ6.3/2 TCR				555321						555321										
Vγ2 TCR		553226		565167																
Vγ3 TCR		553229																		

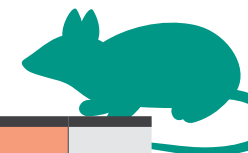
Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
GM-CSF				554406						554406										
IFN-γ		562019 554411	557724	562020 554412	562333 562303			560660	561040 557649	562020 554412	562333 562303		561040 557649	562018 554413	557735		557998	561479		554410
IL-1-α				559810						559810										
IL-2		562040 554427	557725	561061 554428	562483			560544	560538	561061 554428	562483		560538	562041 554429		565186	561287	560547		554426
IL-3				554383						554383										
IL-4			557728	562044 554435	562450			560700	560699	562044 554435	562450		560699	562045 554436	557739					
IL-5				562049 554395						562049 554395				562048 554396						
IL-6			561363	562050 554401						562050 554401				561367						
IL-9				561463						561463					561464					
IL-10		562037 554466		561060 554467						561060 554467				561059 554468						554465
IL-12 (p40/p70)		560564		562038 554479						562038 554479				554480						
IL-17A			560221 560220	561020 559502	562542			561020 560666		561020 559502	562542				560224 560184		560820	560821		
IL-17F			561658 561631	561656 561627	562418			562194		561656 561627	562418				561657 561630					
IL-23 p19															565317					
IL-27 p28 (IL-30)														562792						
MCP-1				554443						554443										
TNF		561064 554418	557719	561063 554419				560659	561041 557644	561063 554419			561041 557644	561062 554420	557730		558000	560658		
				559503						559503										

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

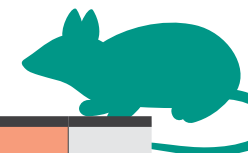
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD140b (pY771) (PDGF receptor β)	J23-1044	Ms																									
CD140b (pY857) (PDGF receptor β)	J24-618	Ms [†]																									
CD140b (pY1009) (PDGF receptor β)	J25-650	Ms [†]																									
CD140b (pY1021) (PDGF receptor β)	J105-412	Ms [†]																									
Aiolos	S48-791	Ms	+	+		+																					
AKT (pS473)	M89-61	Ms [†]	+	+		+	+	+		+	+							562599									
AKT (pT308)	J1-223.371	Ms [†]	+	+		+	+	+		+	+																
BATF	S39-1060	Ms [†]	+	+																							
Bcl-2	3F11	Ms	+																								
Bcl-6	K112-91	Ms [†]	+	+														563363	562204								
Blimp-1	5E7	Ms	+	+		+												564270									
	6D3	Ms [†]	+	+	+	+	+																				
BLNK (pY84)	J117-1278	Ms [†]	+																								
BLNK (SLP-65, BASH, BCA)	2B11	Ms [†]	+																								
BrdU	3D4	Ms																	560810			563445					
Btk (pY223) & Itk (pY180)	N35-86	Ms [†]	+	+														564848									
Cardiac Troponin T	13-11	Ms [†]																									
Caspase-3, Active Form (CPP32)	C92-605	Ms [†]										566220							560627				564094	564096			
	Polyclonal	Ms [†]										564095															
c-Cbl (pY700)	47/c-Cbl	Ms [†]	+																								
C-Peptide	U8-424	Ms [†]																									
Cyclin B1 (a.a 1-21)	GNS-1	Ms [†]	+																								
EBF1	T26-818	Ms																									
eNOS	33/eNOS	Ms [†]								+																	
ERK1/2 (pT202/pY204)	20A	Ms [†]	+	+		+	+	+										562981									
ERK2	G263-7	Ms [†]	+	+		+	+	+																			

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin
	1			2	3	4			5	1	2	3	4	1		2		3	
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7
CD140b (pY771) (PDGF receptor β)			558424	558426						558426					558425				
CD140b (pY857) (PDGF receptor β)			558427	558429						558429					558428				
CD140b (pY1009) (PDGF receptor β)				558322						558322					558323				
CD140b (pY1021) (PDGF receptor β)			558419	558417						558417					558418				
Aiolos			565266	564874	565267					564874	565267				565265				
AKT (pS473)					562465						562465								
AKT (pT308)				558275						558275									
BATF				564503						564503									
Bcl-2		554221		556537						556537									
Bcl-6			561524	561522				562198	563582	561522			563582		561525			563581	
Blimp-1				564268	564269					564268	564269				563643				
				564702						564702					565002				
BLNK (pY84)			558444	558442						558442					558443				
BLNK (SLP-65, BASH, BCA)			558693	558688						558688					558692				
BrdU		556028		556029			560808	560809		556029									
Btk (pY223) & Itk (pY180)			564847	562753											564846				
Cardiac Troponin T				564767						564767					565744				
Caspase-3, Active Form (CPP32)		560901 559341		550821						550821					560626				550557
				557091						557091									557038
c-Cbl (pY700)			558101	558087						558087					558100				
C-Peptide															565831				
Cyclin B1 (a.a 1-21)		554108		550783						550783									
EBF1				565494						565494									
eNOS				560103						560103					560102				
ERK1/2 (pT202/pY204)			612592	612566 561991*	562644			560115	560116	612566 561991*	562644		560116		612593				
ERK2			558525	558530						558530					558526				

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

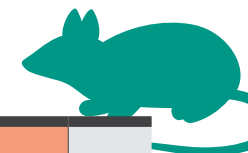
BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6	
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
Fibronectin	10/Fibronectin	Ms [†]																								
Flk-1 (VEGF-R2, Ly-73)	Avas 12α1	Ms																565970	561256							
FoxP1	JC12	Ms [†]	+			+	+	+																		
FoxP2	FOXP2-P73A/8	Ms [†]																								
Foxp3	MF23	Ms	+															562996	561293							
	R16-715	Ms	+																							
GATA3	L50-823	Ms	+			+						565448						563349							565449	
GATA4	L97-56	Ms [†]																								
GILT	MaPGILT6	Ms	+	+	+	+	+																			
Glucagon	U16-850	Ms [†]																565891								
H2AX (pS139)	N1-431	Ms																564720								
Helios	22F6	Ms [†]	+																							
Histone H3 (pS28)	HTA28	Ms [†]	+																560606							
ID3	S30-778	Ms [†]	+	+	+		+																			
JNK (pT183/pY185)	N9-66	Ms [†]	+																							
Ki-67	B56	Ms [†]	+	+	+	+	+	+										562899	561281							
Lck	MOL 171	Ms [†]	+	+		+																				
MAPKAPK-2 (pT334)	P24-694	Ms [†]	+	+																						
MEK1	25/MEK1	Ms [†]																								
Myogenin	F5D	Ms [†]																								
Myosin Heavy Chain	MF20	Ms [†]	+	+	+	+	+	+																		
Nanog	M55-312	Ms																								
NeuroD1	R8-294	Ms [†]																								
Nkx2.2	74.5A5	Ms [†]																								
Nkx-6.1	R11-560	Ms [†]																								
Notch1	mN1A	Ms [†]	+																							
Nucleostemin	P22-1125	Ms [†]																								
Oct-2	9A2	Ms [†]	+	+	+		+											563196								
Oct3/4	40/Oct-3	Ms [†]																								563524

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)					Biotin	
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm		785 nm
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
Fibronectin			563100												563098					
Flk-1 (VEGF-R2, Ly-73)		560680		561052 555308				560681	561259	561052 555308			561259	561993 560070				561252		
FoxP1				564216						564216										
FoxP2															564463					
Foxp3			560407 560403	560414 560408	562466					560414 560408	562466				560402 560401					
			563487	563101				563902		563101					563486					
GATA3					563510						563510									
GATA4			560330	560328						560328					560400					
GILT				564875						564875										
Glucagon				565860						565860										
H2AX (pS139)					564719			564718			564719									
Helios			563950	563801						563801					563951					
Histone H3 (pS28)														558217						
ID3				564564						564564										
JNK (pT183/pY185)				562480						562480					562481					
Ki-67		556026		556027				561284	561283	556027			561283	561126		561277				
Lck			558504	558496						558496				558505						
MAPKAPK-2 (pT334)			562471	562470						562470				562472						
MEK1				560099						560099				560101						
Myogenin				563120						563120										
Myosin Heavy Chain				564408						564408										
Nanog			560278	560277						560277				560279						
NeuroD1				563001						563001				563566						
Nkx2.2				564730						564730				564729						
Nkx-6.1				563023						563023				563338						
Notch1				552768						552768										
Nucleostemin				562750																
Oct-2				562838	563471					562838	563471			563472						
Oct3/4			560253	560186						560186				560329						

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Ms [†]	+																								
p53	G59-12	Ms [†]																									
PARP, Cleaved Form (Asp 214)	F21-852	Ms [†]																564129									
Pax5	1H9	Ms [†]		+														563190				563191					
PDX-1	658A5	Ms [†]																									
Phosphotyrosine	PY20	Ms [†]																									
PKCα(pT497)	K14-984	Ms [†]	+																								
PLC-γ2	K86-1161	Ms [†]		+		+																					
PTF1A	S26-763	Ms [†]																									
Rb (a.a. 332-344)	G3-245	Ms [†]	+	+	+	+	+	+																			
Rb, underphosphorylated (a.a. 514-610)	G99-549	Ms [†]	+	+	+	+	+	+																			
Ronin/THAP11	P56-507	Ms [†]																									
RORγt	Q31-378	Ms	+															562894						564722		564723	
RUNX3	R3-5G4	Ms [†]	+	+	+	+	+	+																			
S100A9 (MRP-14)	2B10	Ms						+																			
S6 (pS244)	N5-676	Ms [†]	+																								
SHIP-1	32/SHIP-1	Ms																									
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)	O72-670	Ms [†]	+	+																							
SNAI2/Slug	S43-1259	Ms [†]																									
Sox2	245610	Ms [†]																									
	O38-678	Ms [†]																									
Spi-B	U14-267	Ms	+	+	+																						
Stat1 (pY701)	4a	Ms [†]	+	+		+	+											566238 562985									
Stat3 (pY705)	4/P-STAT3	Ms [†]	+	+		+	+																				

+ Positive[†] – Negative

[†]Positive refers to any expression of this specificity either in all cells, a subset, or upon activation. Expression may not be high enough to detect by flow cytometry. Empty cells represent lack of information confirming the expression of the marker within the cell type.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
p38 MAPK (pT180/pY182)			612594	612565 562065†	563569			560406	560241	612565 562065†	563569		560241		612595 562066†					
p53		557026		557027						557027										
PARP, Cleaved Form (Asp 214)		558576		552933	564130					552933					558710		560640			
Pax5			562816	562688	562815						562815				562814					
PDX-1			562274	562161				563436		562161					562265					
Phosphotyrosine				558008						558008										
PKCα(pT497)			560139	560141						560141					560140					
PLC-γ2			560135	560134						560134					560136					
PTF1A															564750					
Rb (a.a. 332-344)		556538																		
Rb, underphosphorylated (a.a. 514-610)		550501		550502						550502										
Ronin/THAP11				562549						562549										
RORγt				562607	562684			562683		562607	562684				562682					
RUNX3				564814						564814										
S100A9 (MRP-14)															565833					
S6 (pS244)				560462						560462					560465					
SHIP-1				566009						566009										
Smad2 (pS465/pS467)/ Smad3 (pS423/pS425)				562586	562697					562586	562697									
SNAI2/Slug				564615						564615										
Sox2			560301 560292	560291						560291					560302					
								561506												
Spi-B				565834						565834										
Stat1 (pY701)			612596	612564 562069†	562674			560113		612564 562069†	562674				612597 562070†					
Stat3 (pY705)			557814	612569 562072†	562673			560114		612569 562072†	562673				557815 562071†					

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

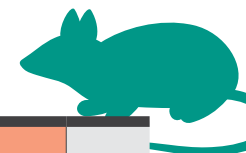
† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)														
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6									
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786		
Stat4 (pY693)	38/p-Stat4	Ms [†]	+			+																												
Stat5 (pY694)	47	Ms [†]	+	+		+	+																											
Stat6 (pY641)	J71-773.58.11	Ms	+	+		+	+																											
Syk (pY348)	I120-722	Ms [†]	+																															
T-Bet	O4-46	Ms [†]	+			+	+																	563318	561312					564142	563320	564141		
	4B10	Ms [†]	+			+	+																											
TCF-7/TCF-1	S33-966	Ms [†]	+																															
XBP-1S	Q3-695	Ms [†]		+																				563382										
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Ms [†]	+																															
Zbtb7b	T43-94	Ms																																
Zbtb20	4A3	Ms																																
Zbtb46 (Th-POK)	U4-1374	Ms	+																															

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.




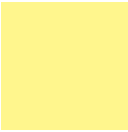
Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)										Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1		2	3	4			5	1	2	3	4	1		2		3				
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
Stat4 (pY693)			558136	558249 562073†				561217		558249 562073†					558137 562074†						
Stat5 (pY694)			612598	612567 562077†	562501			560118	560117	612567 562077†	562501		560117		612599 562076†						
Stat6 (pY641)			558243	558252						558252					558242						
Syk (pY348)			560081	558529						558529											
T-Bet			561266	561268	562467			561316		561268	562467				561267						
				561265						561265					561264						
TCF-7/TCF-1				564217						564217											
XBP-1S				562642	562820					562642	562820				562821						
Zap-70 (pY319)/Syk (pY352)			557818	557881				561459	561458	557881			561458		557817						
Zbtb7b															565500						
Zbtb20				565454						565454											
Zbtb46 (Th-POK)				565832						565832											

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

‡ Denotes that the product is a large size (250 or 500 tests)



Hippocampus denise, or Denise's Pygmy Seahorse, is one of the most difficult fish to spot among the gorgonian coral reefs in the Pacific Ocean where it dwells. Tiny and only growing to a little more than a ½ inch, the seahorse uses expert mimicry including body shape, color and texture to blend in, while its solitary and near motionless behavior further obscures it from view.

Contents



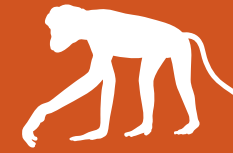
Human Antibody Reagents

Surface Markers	6 – 49
Intracellular Cytokines and Chemokines	50 – 55
Intracellular Cell-Signaling and Transcription Factors	56 – 73



Mouse Antibody Reagents

Surface Markers	76 – 105
Intracellular Cytokines and Chemokines	106 – 107
Intracellular Cell-Signaling and Transcription Factors	108 – 115



Non-Human Primate Antibody Reagents

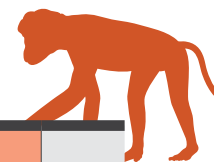
Surface Markers	118 – 127
Intracellular Cytokines and Chemokines	128 – 129
Intracellular Cell-Signaling and Transcription Factors	130 – 131

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6			
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm											
Product Name	Clone	React												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
CD2	RPA-2.10	NHP	+	+		+												562667 [†]										
CD3	SP34	NHP	+	-		-	-	-	-	-	-	-	-	-	-													
	SP34-2	NHP	+	-		-	-	-	-	-	-	-	-	-	-	565983 564117				562877	560352 560351		560772 560770		562994	563916	563917	563918
CD4	L200	NHP	+	-		-	+	+	-	-	-	-	-	-	-	564107			562842	560811	566159 566148	561488	563094	562843	563737	563913	563914	
	M-T477	NHP	+	-		-	+	+	-	-	-	-	-	-	-													
CD6	M-T605	NHP	+	+		-	-	-	-	-	-	-	-	-	-													
CD8	RPA-T8	NHP															564805 564804											
	SK1	NHP																					564913 564912	562429 [†] 562428 [†]	561426			
CD9	M-L13	NHP	+	+			+	+	+			+	+	-							561326							
CD10	HI10a	NHP	-	-		+	-	-	-			+	-															
CD11a (LFA-1)	HI111	NHP	+	+		+	+	+																		563934	563935	
CD11b/Mac-1 (CR3)	ICRF44	NHP	+	+	+	+	+	+								563840 563839												
CD11c (ITGAX, CD11C integrin α ^x chain)	3.9	NHP [†]	+	+	+	+	+	+	+																			
	S-HCL-3	NHP	+	+	+	+	+	+																				
CD14	M5E2	NHP	-	-		-	+	+																				
CD16	3G8	NHP	+	-	+	+	+	+	+	-	-					564654 564653												
CD18 (Integrin β2 chain, CR3/CR4)	6.7	NHP	+	+	+	+	+	+	+	-	-																	
CD20	2H7	NHP	+	+	-	-	-	-	-	-	-	-	-	-														

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin	
	1			2	3		4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm		
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7		
CD2		556608		561760 [†] 555327	562319 [†] 562300 [†]	555328		560643		561760 [†] 555327	561319 [†] 562300 [†]	555328		560642						555325	
CD3		556611		556612						556612											
CD4			557705	552127	562406		552851	552852	557749	552127	562406		557749	557597			561805 557917	557757			
	566056 564500	550628		550630	562402		550631	552838	560644	550630	562402		560644	551980			560836		560837		
CD6		556615		556616						556616											
CD8		555357		555358						555358											
		557085	557704	557086	562311 [†] 562282	561159 [†] 555368		560662	557750	557086	562311 [†] 562282 [†]	561951 [†] 555368	557750	561421	557708		561453	557760		555365	
CD9							565310								565192						
CD9		341646* 555371		341647* 555372				341649* 561329		341647* 555372				341648*							
CD10		340925*		557143		561676 [†] 555376			341092*	557143		561676 [†] 555376	341092*	340923*							
CD11a (LFA-1)		555383		550851		551131			561387	550851			561387	550852							
CD11b/Mac-1 (CR3)			561687 [†] 557701	557321	562399	561686 [†] 555389			561685 [†] 557743	557321	562399	561686 [†] 555389	561685 [†] 557743	561015 550019			557918	560914 557754		555387	
CD11c (ITGAX, CD11C integrin α ^x chain)																					
				347637*						347637*				340544*							
CD14		557153	561706 [†] 557700	557154				561116 550787	561385	557154			561385	561383			561029 557923		561384		
CD16		556618		556619	562320 [†] 562293 [†]	561725 [†] 555408		560717	560716	556619	562320 [†] 562293 [†]	561725 [†] 555408 [†]	560716	561248	561724 [†] 557710		557920	561726 [†] 557758	560715	554405	
CD18 (Integrin β2 chain, CR3/CR4)		557156		555924		557528				555924		557528		551060							
CD20		556632		556633	562550	561761 [†] 555624		560736	560735	556633	562550	561761 [†] 555624	560735	560900 559776			560631		560853		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

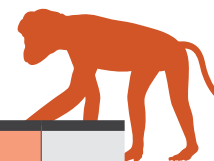
‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)														
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6								
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD21 (CR2)	B-Iy4	NHP	+	+	+	-	-	-																	561395								
CD25 (IL-2 receptor α chain)	M-A251	NHP	+	+	-	+	+	-																562443 [†] 562442 [†]	560356 560355								
CD27	M-T271	NHP	+	+	-	+	+	-																	561408	561223 561222							
CD28	CD28.2	NHP	+	-	-	-	-	-																562613	561397								
CD29	MAR4	NHP	+	+	+	+	+	+																									
CD30 (Ki-1)	BerH8	NHP	+	+		+	+	-																									
CD31 (PECAM-1)	WM59	NHP	+	+		+	+	+																									
CD32 (Fc γ RII)	FLI8.26	NHP																															
CD34	563	NHP	-	-	-	-	-	-																									
CD35 (CR1)	E11	NHP	+	+	+	-	+	+																									
CD39 (ENTPD1, NTPDase)	TÜ66	NHP	+	+	+	+	+	-																									
CD40	5C3	NHP	-	+	+	-	+	-																									
CD41a	HIP8	NHP																							561425								
CD41b	HIP2	NHP																															
CD42a	ALMA.16	NHP	-	-	-	-	-	+																									
CD45	D058-1283	NHP	+	+	+	+	+																	564099		566152 566145		564098					563861
CD45 (Pan leucocyte)	D058-1283	NHP																							561291		561489	563530					
CD45RA	5H9	NHP	+	+	+	+	-	-																	561220								
CD47 (IAP)	B6H12	NHP	+	+		+	+	+																									
CD49b (Integrin α_2 chain)	12F1	NHP	+	+		+	+	-																	564119								564120
	AK-7	NHP	+	+		+	+	-																									

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD21 (CR2)		561372		561768 555422		551064			561374	561768 [†] 555422		551064	561374	561357						
CD25 (IL-2 receptor α chain)		555431		557138	562403 [†]	555433		560503	561405	557138	562403 [†]	555433	561405	561399			561398	561782 [†] 557753	561402	
CD27		557329		557330	562324 [†] 562297 [†]			560612	560609	557330	562324 [†] 562297 [†]		560609	561400			560611		560223 560222	
CD28		556621		556622	562323 [†] 562296 [†]	561791 [†] 555730		560685	560684	556622	562323 [†] 562296 [†]	561791 [†] 555730	560684	560683					561368 [†]	555727
CD29				557332		559882				557332		559882		561794 [†] 559883						
CD30 (Ki-1)		555829		550041						550041										555828
CD31 (PECAM-1)		557508		560983 555446						560983 555446										
CD32 (FcγRII)		555448		550586						550586				559769						
CD34				550619	562449					550619	562449			561209						
CD35 (CR1)		555452		559872						559872										
CD39 (ENTPD1, NTPDase)				555464						555464				560239						
CD40		556624		558835		555590			561215	558835		555590	561215	561848 [†] 555591			561208		561211	
CD41a		557296		557297		559768		340931	561424	557297		559768	561424	561852 [†] 559777					561422	
CD41b		555469																		
CD42a		558818		558819						558819										
CD45																565182				
CD45 (Pan leucocyte)		557803		552833	562394		558411		561294	552833	562394		561294	561290			561288	558219		
CD45RA		556626		556627	565419	552888			561216	556627	565419	552888	561216	561210					561212	
CD47 (IAP)		556045		556046				561261		556046					561249					
CD49b (Integrin α ₂ chain)				555669						555669	564121			564118						
		555498																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

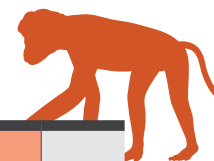
‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)														
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6								
Product Name	Clone	React	395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786	
CD49d (Integrin α_4 chain)	9F10	NHP	+	+	+	+	+	-	-	+																							
CD56	MY31	NHP	+		+																												
	B159	NHP	+		+																				560361								
CD58 (LFA-3)	1C3	NHP	+	+	+	+	+	+	+	+													565460										
CD59	p282 (H19)	NHP	+		+	+	+	+																									
CD61 (Integrin β_3)	VI-PL2	NHP				+		+		+																							
CD62P (P-selectin)	AC1.2	NHP								+																							
CD63	H5C6	NHP	+	+	-	+	+	+	+	+																							
CD64	10.1	NHP	-	-	+	-	+	+	-	-	-	-	-	-	-	-	+								561202								
CD69	FN50	NHP	+	+	+	+	+	+																562883	560740								
CD70	Ki-24	NHP	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-																
CD79a (Ig, mb-1)	HM47	NHP	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-								562852								
CD80 (B7-1)	L307.4	NHP	+	+	+	-	+	-	-	-	-	-	-	-	-	-	-								560444	560442							
CD81 (TAPA-1)	JS-81	NHP	+	+	+	+	+		-	-	+	+	+																				
CD83	HB15e	NHP	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-								562630								
CD86 (B7-2)	2331 (FUN-1)	NHP	+	+	+	-	+	-	-	-	+	-	-											562433*	560359								
CD89	A59	NHP	-	-		+	+	-	-	-	-	-	-																				
CD90 (Thy-1)	5E10	NHP	-	-		+	+	-	-	+	-	-	+											562556*			563070						

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD49d (Integrin α_4 chain)		560840		556635		559880				556635		559880		561892[†] 559881						
				556647						556647										
CD56			561905[†] 557699	561903[†] 555516	562328[†] 562289 [†]	561904[†] 555517		560842	560916 557747	561903[†] 555516	562328[†] 562289 [†]	561904[†] 555517	560916 557747	555518	557711		561902[†] 557919			555515
CD58 (LFA-3)		561907[†] 555920		555921		551399				555921		551399								
CD59		560954 555763		557141						557141										
CD61 (Integrin β_3)		557291		561912[†] 555754						561912[†] 555754										
CD62P (P-selectin)		550866		550561						550561										
CD63		550759		557305						557305										
CD64		555527		561926[†] 558592				561194	561191	561926[†] 558592			561191	561189			561188		561190	555526
CD69		557049		557050	562645	555532		560738	560712	557050	562645	555532	560712	560711			560739	560912 557756	560737	
CD70		555834		561935[†] 555835	562484					561935[†] 555835	562484									
CD79a (Ig, mb-1)				561942[†] 340579 [†] 555935				341643 [*]		561942[†] 340579 [†] 555935				340578 [*] 551134						
CD80 (B7-1)		560926 557226		560295 557227		559370			561135	560295 557227			559370	561135			561133		561134	557225
CD81 (TAPA-1)		561956[†] 551108		561957[†] 555676						561957[†] 555676				561958[†] 551112						
CD83		560553		550634	562631	551058			561132	550634	562631	551058	561132	561960[†] 551073						
CD86 (B7-2)		557343		557344	562390 [†]	555659		561129	561128	557344	562390 [†]	555659	561128	560956 555660			561124		555656	
CD89				555686						555686										
CD90 (Thy-1)		561969[†] 555595		561970[†] 555596		561972[†] 555597		561557	561558	561970[†] 555596		561972[†] 555597	561558	561971[†] 559869					555594	

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

^{*} RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

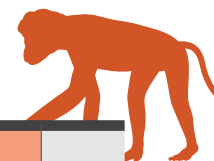
[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6		
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm										
Product Name	Clone	React	BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786										
CD95 (Fas/APO-1)	DX2	NHP	+	+	+	+	+	-	-									562648	561635								
CD98	UM7F8	NHP	+	+	+	+	+	+	-	+	+																
CD122 (IL-2 receptor β chain)	Mik β 2	NHP	+	+	+	+	-	-	-	-																	
CD123 (IL-3 receptor α chain)	7G3	NHP	-	-	+	-	+			+																	
CD130 (gp130)	AM64	NHP	+	+	-	+	+	+	-	+																	
CD132 (common γ chain)	AG184	NHP	+	+		+	+	+																			
CD137 (4-1BB)	4B4-1	NHP	+	+		-	+	-																			
CD141 (Thrombomodulin)	1A4	NHP	-	-		-	+	+	+	+	+															563155	
CD150	A12	NHP	+	+	+	-	-	-	-	+																	
CD151 (PETA-3)	14A2.H1	NHP	-	-	-		-	+		+	+	+															
CD152 (CTLA-4)	BNI3	NHP	+	+	-	-	-	-																			
CD154 (CD40 ligand)	TRAP1	NHP	+	-	-	-				-	-																
CD162 (PSGL-1)	KPL-1	NHP	+	+		+	+	-	-	-																	
CD166	3A6	NHP	+	+		+	-			+	+																
CD183 (CXCR3)	1C6/CXCR3	NHP	+			+		+										565223								563156	
CD184 (CXCR4, fusin)	12G5	NHP	+	+	+	-	+	-		+								566282	562448*								
CD195 (CCR5)	3A9	NHP	+	-		-	+	+	-	-																	
CD196 (CCR6)	11A9	NHP	+	+	+	-	-	-																			
Annexin V	-	-																564871		563973	560506		561501		563974		563972

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
CD95 (Fas/APO-1)	564597 564596	556640		556641	562395	561977 [†] 559773			561636	556641	562395	561977 [†] 559773	561636	561978 [†] 558814						555672
CD98		556076		556077						556077										
CD122 (IL-2 receptor β chain)				557323						557323										
CD123 (IL-3 receptor α chain)		561694 [†] 558663		561058 554529	562391 [†]			560904 558714	560826	561058 554529	562391 [†]		560826	560087						554528
CD130 (gp130)				555757						555757										
CD132 (common γ chain)				561699 [†] 555900						561699 [†] 555900										
CD137 (4-1BB)				561701 [†] 555956		551137				561701 [†] 555956		551137		561702 [†] 550890						
CD141 (Thrombomodulin)				559781						559781										
CD150				559592						559592										
CD151 (PETA-3)				556057						556057										
CD152 (CTLA-4)				557301						557301				560938 555855						
CD154 (CD40 ligand)		558988		557299		561722 [†] 555701				557299		561722 [†] 555701		560955 555702						
CD162 (PSGL-1)				556055						556055										
CD166				560903 559263				562131		560903 559263										
CD183 (CXCR3)			561730 [†] 558047	550633	562451 [†]	561731 [†] 551128		560832	560831	550633	562451 [†]	561731 [†] 551128	560831	561324				561320		
CD184 (CXCR4, fusin)				557145		560937 555975		560670	560669	557145		560937 555975	560669	560936 555976						
CD195 (CCR5)				550632				560635		550632				560748						
CD196 (CCR6)				551773				560621	560620	551773			560620	560619	561751 [†] 560466					
Annexin V		560931 566420 556419		560930 556422 556421				561431		560930 556422 556421				561012 550475 550474						556418 556417

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

† Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

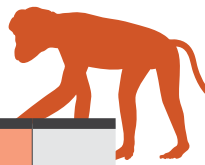
‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Emission Max											UV Laser (355 nm)						Violet Laser (405 nm)								
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6			
Product Name	Clone	React																										
HLA-A,B,C	G46-2.6	NHP																										
HLA-DQ	TÜ169	NHP																										
HLA-DR	TÜ36	NHP																										
	L243 (G46-6)	NHP																										
HLA-DR, DP, DQ	TÜ39	NHP																										
Streptavidin	-	-										564176			565081			564923	563259	560797			561419	563261	563260	563855	563262	563858

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Surface Markers	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
HLA-A,B,C		557348		557349		555554			561349	557349		555554	561349	555555						
HLA-DQ		555563																		
HLA-DR		555560		555561		551375				555561		551375		559868						
		560944 555811		560943 555812	562331 [†] 562304 [†]	562007 [†] 555813	347364*	560652	560651	560943 555812	562331 [†] 562304 [†]	562007 [†] 555813	560651	560744			560743	335796*	641393* 561358	
HLA-DR, DP, DQ		550853																		
Streptavidin	564453	554060		554061 349023*	562318 [†] 562284 [†]	554062	554064 340130*	551419	557598	554061 349023*	562318 [†] 562284 [†]	554062	557598	554067 349024*				554063		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

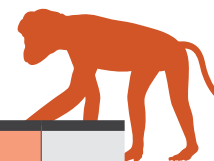
‡ Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Intracellular Cytokines and Chemokines			Emission Max										UV Laser (355 nm)						Violet Laser (405 nm)							
			T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6	
Product Name	Clone	React										395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm
												BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786
IFN-γ	4S.B3	NHP	+			+																				
	B27	NHP	+			+													560372 560371							
IL-2	MQ1-17H12	NHP	+																							
IL-4	8D4-8	NHP	+																							
IL-6	MQ2-6A3	NHP	+		+		+																			
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	NHP	+				+			+	+															
MIP-1α (macrophage inflammatory protein-1α)	11A3	NHP	+	+			+	+																		
TNF	MAB11	NHP	+	+	+	+	+												561311							

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cytokines and Chemokines	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
IFN- γ		552882		557074				560742	560741	557074			560741	551385						
		552887		562016 [†] 554701 559327	562392 [†]		560704		560924 557643	562016 [†] 554701 559327	562392 [†]		560924 557643	562017 [†] 554702	557729		561024 557995			
IL-2		559361		560709				560708	560707	560709			560707	551383						
IL-4			557990	551774				561234	560672	551774			560672	561233						
IL-6		554544		551473						551473										
MCP-1 (monocyte chemoattractant protein 1)				557066						557066										
MIP-1 α (macrophage inflammatory protein-1 α)				554730						554730				551533						
TNF		562082 [†] 554512	557722	562083 [†] 554513 559321				560679	560923 557647	562083 [†] 554513 559321			560923 557647	551384			561023 557996			

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 μ g).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

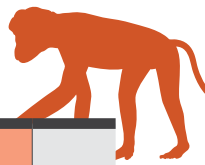
[‡] Denotes that the product is a large size (250 or 500 tests)

BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Emission Max																						
			UV Laser (355 nm)						Violet Laser (405 nm)																
Product Name	Clone	React	T Cell	B Cell	Dendritic Cell	NK Cell	Macrophage/Monocyte	Granulocyte	Platelet	Erythrocyte	Endothelial Cell	Epithelial Cell	Stem Cell/Precursor	1	2	3	4	5	6	1	2	3	4	5	6
			395 nm	496 nm	563 nm	661 nm	737 nm	805 nm	421 nm	448 nm	478 nm	500 nm	510 nm	602 nm	650 nm	711 nm	786 nm								
			BD Horizon BUV395	BD Horizon BUV496	BD Horizon BUV563	BD Horizon BUV661	BD Horizon BUV737	BD Horizon BUV805	BD Horizon BV421	BD Horizon V450	BD Horizon BV480	BD Horizon V500	BD Horizon BV510	BD Horizon BV605	BD Horizon BV650	BD Horizon BV711	BD Horizon BV786								
FoxP3 (Scurfin, IPEX, JM2)	259D/C7	NHP	+																						
p53	DO-7	NHP																							
Rb (a.a. 332-344)	G3-245	NHP																							

Many of our anti-human antibodies cross-react with NHP. Please check the clone-specific information on bdbiosciences.com for specific cross-reactivity information.

Choose from our extensive portfolio of high-quality fluorescent-conjugated reagents to build your multicolor flow cytometry panels.



Intracellular Cell-Signaling and Transcription Factors	Blue Laser (488 nm)									Green Laser (532 nm) / Yellow-Green Laser (561 nm)				Red Laser (640 nm)						Biotin
	1			2	3	4			5	1	2	3	4	1		2		3		
	515 nm	519 nm	519 nm	578 nm	612 nm	667 nm	678 nm	695 nm	785 nm	578 nm	612 nm	667 nm	785 nm	660 nm	668 nm	704 nm	719 nm	785 nm	785 nm	
Product Name	BD Horizon BB515	FITC	Alexa Fluor® 488	PE	BD Horizon PE-CF594	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	PE	BD Horizon PE-CF594	PE-Cy5	PE-Cy7	APC	Alexa Fluor® 647	BD Horizon APC-R700	Alexa Fluor® 700	APC-Cy7	BD APC-H7	
FoxP3 (Scurfin, IPEX, JM2)		560047		560082 560046	562421 [†]					560082 560046	562421 [†]				560045					
p53		554298		556534						556534										
Rb (a.a. 332-344)		556538																		

Bold catalog numbers denote that the product is a small size (25–30 tests or 25 µg).

* RUO (GMP) status reagents

[†] Denotes multiple reactivities. To view all reactivities, please find the technical data sheet online at bdbiosciences.com.

[‡] Denotes that the product is a large size (250 or 500 tests)

Welcome to a More Colorful WorldSM



BD Life Sciences Regional Offices

Australia
Toll Free 1800.656.100
Tel 61.2.8875.7000
Fax 61.2.8875.7200

Canada
Tel 866.979.9408
Fax 888.229.9918

China
Tel 86.21.3210.4610
Fax 86.21.5292.5191

East Africa
Tel 254.20.2738339/40
Fax 254.20.2738342

Europe
Tel 32.2.400.98.95
Fax 32.2.401.70.94

India
Tel 91.124.2383566
Fax 91.124.2383224/25/26

Japan
Nippon Becton Dickinson
Toll Free 0120.8555.90
Fax 81.24.593.3281

Latin America/Caribbean
Toll Free 0800.771.71.57
Tel 55.11.5185.9688

New Zealand
Toll Free 0800.572.468
Tel 64.9.574.2468
Fax 64.9.574.2469

North, West & Central Africa
Tel 33.4.76.68.94.43
Fax 33.4.76.68.55.96

Singapore
Tel 65.6690.8691
Fax 65.6860.1593

South Africa
Tel 27.11.603.2620
Fax 27.11.804.0544/804.0546

bdbiosciences.com/contact

United States
US Orders 855.236.2772
Technical Service 877.232.8995
Fax 800.325.9637

Office locations are available on our websites.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Pacific Blue™ is a trademark and Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Cy™ is a trademark of GE Healthcare. Cy™ dyes are subject to proprietary rights of GE Healthcare and Carnegie Mellon University and are made and sold under license from GE Healthcare only for research and in vitro diagnostic use. Any other use requires a commercial sublicense from Amersham Biosciences Corp, 800 Centennial Avenue, Piscataway, NJ 08855-1327, USA.

Trademarks are the property of their respective owners.

© 2016 BD. BD, the BD Logo and all other trademarks are property of Becton, Dickinson and Company.

23-10984-20

