



# Welcome to More Choice

2<sup>nd</sup> Edition

# BD Multicolor Antibody Reagents Catalog

for BD Accuri™ C6 Flow Cytometers

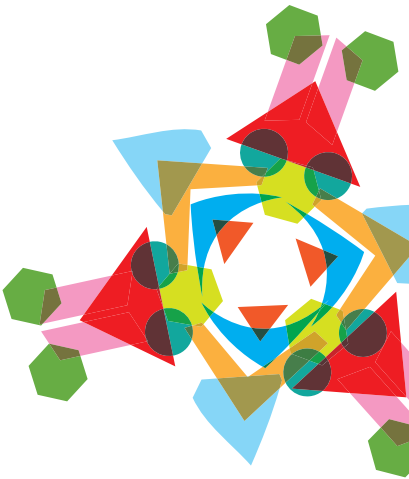
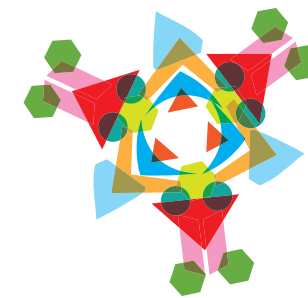
Human

Mouse

Non-Human Primate

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

BD Multicolor Antibody Reagents Catalog



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## BD Multicolor Antibody Reagents Catalog

for BD Accuri™ C6 Flow Cytometers

Human

Mouse

Non-Human Primate

BD continues to provide more choices for multicolor flow cytometry applications by expanding our portfolio and color options. Look for newly released products as we continue our commitment to provide more choices for multicolor assays.

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If an antibody clone is not available in the format you are looking for, use our Custom Conjugated Antibody Express Program for even more color choices for flow cytometry.

This program offers:

- A wide variety of specificities and colors
- Short turnaround time
- A 0.5-mg minimum order size

Clones highlighted in yellow in this catalog are available through this service.

For more information, contact your account manager, email [BDBCUSTOMORDERS@BD.COM](mailto:BDBCUSTOMORDERS@BD.COM), or visit [bdbiosciences.com/reagents](http://bdbiosciences.com/reagents).

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### More Sizes

BD now offers a wide variety of antibody conjugates in our new 25-test or 25-µg vial size.

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

These products are denoted by **bold** catalog numbers in this catalog.



## 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](http://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 Color	Ex-Max (nm)	Excitation Laser Line (nm)*	Em-Max (nm)	Analyzers					Sorters	
					BD Accuri™ C6	BD FACSCalibur™	BD FACVerse™ §	BD FACScanto™ II	BD LSRFortessa™ and Special Order BD LSRFortessa	BD FACSAria™ III and Special Order BD FACSAria	BD Influx™
Hoechst 33342	Blue	350	355, 375	461					●	●	●
Brilliant Violet™ 421	Blue	407	405	421			●	●	●	●	●
BD Horizon V450	Blue	404	405	448			●	●	●	●	●
Pacific Blue™	Blue	401	405	452			●	●	●	●	●
BD Horizon V500	Green	415	405	500			●	●	●	●	●
AmCyan	Green	457	405	491			●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●
Brilliant Violet™ 605	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	●	●	●	●	●	●	●
APC†	Red	650	633, 635, 640	660	●	●	●	●	●	●	●
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	●	●	●	●	●	●	●
Alexa Fluor® 700	Far Red	696	633, 635, 640	719			●	●	●	●	●
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			●	●	●	●	●

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

† APC and PE-Cy5 may be used together on instruments with cross-beam compensation.




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

§ Capable of detecting 8 colors simultaneously (4 blue laser, 2 red laser, 2 violet laser). BD Horizon PE-CF594 and Alexa Fluor® 700 filters are available separately.

¶ Extra care must be taken to avoid spillover.

\*\* Filter available separately.

## Contents

	<b>Human</b> Antibody Reagents	<b>Mouse</b> Antibody Reagents	<b>Non-Human Primate</b> Antibody Reagents
	Surface Markers 5–20	 Surface Markers 31–41	 Surface Markers 47–50
	Intracellular Cytokines and Chemokines 21–23	Intracellular Cytokines and Chemokines 42	Intracellular Cytokines and Chemokines 51
	Intracellular Cell-Signaling and Transcription Factors 24–29	Intracellular Cell-Signaling and Transcription Factors 43–44	Intracellular Cell-Signaling and Transcription Factors 52

# BD Multicolor Antibody Reagents Catalog

## Human Antibody Reagents

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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max		519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
Alkaline Phosphatase	B4-78	Hu		561495	561433			561508			561500	
Annexin V	–	–	<b>560931</b> 566420 556419		<b>560930</b> 556422 556421			561431		<b>561012</b> 550475 550474		556418 556417
B7-H4	MIH43	Hu			562507							
CD1a	HI149	Hu	<b>560945</b> 555806		<b>561754</b> 555807	555808				<b>561755</b> 559775		
	SK9	Hu			341651*							
CD1b	M-T101	Hu	555969									
CD1d	CD1d42	Hu			<b>561757</b> 550255							
CD2 (LFA-2)	RPA-2.10	Hu	<b>561759</b> 555326		<b>561760</b> 555327	555328		560643		560642		555325
	L303.1	Hu							335786*			
	S5.2	Hu	347593*		347597*					341022*		
CD3	HIT3a	Hu	555339 561802		<b>561803</b> 555340	<b>561006</b> 555341				555342		555338
	SK7	Hu			347347*		347344*	340949*	<b>560919</b> 341091* 557851	340440*		
	UCHT1	Hu	<b>561806</b> 555332 555916 561807†	557694	<b>561808</b> 555333 561809†	<b>561007</b> 555334		560835		<b>561810</b> 555335 561811†	557706	555331
CD4	RPA-T4	Hu	<b>561005</b> 555346 561842†	557695	<b>561843</b> 555347 561844†	<b>561004</b> 555348		560650	560649	<b>561840</b> 555349 561841†	557707	555345
	SK3	Hu			347327*		347324*	341654*	<b>560909</b> 348789* 557852	340443*		347321*
CD4 v4	L120	Hu	340422*		340419*							
CD5	L17F12	Hu	347303*		347307*			341089*	348790*	340583*		347301*
	UCHT2	Hu	<b>561896</b> 555352		<b>561897</b> 555353	555354				<b>561003</b> 555355		555351



Visit [bdbiosciences.com/colors](https://bdbiosciences.com/colors) for the most up-to-date product listings.

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

\* RUO (GMP) status reagents

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

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

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

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD6	M-T605	Hu	555357		555358							
CD7	4H9	Hu	347483*									
	M-T701	Hu	<b>561933</b> 340737* 555360		<b>561934</b> 340581* 555361	555362		561602		561604		
CD8	G42-8	Hu	551347									
	HIT8a	Hu	<b>560960</b> 555634		<b>560959</b> 555635	<b>561946</b> 555636						
	RPA-T8	Hu	<b>561947</b> 555366 561948†	557696	<b>561949</b> 555367 561950†	<b>561951</b> 555368		560662	<b>560917</b> 557746	<b>561952</b> 555369 561953†	557708	555365
	SK1	Hu	347313*				347314*	341051*	335787*	340584*		
CD8b	2ST8.5H7	Hu			641057*					641058*		
CD9	M-L13	Hu	341646* 555371		341647* 555372			341649* 561329		341648*		
CD10	HI10a	Hu	340925*		<b>561002</b> 340921* 555375	<b>561676</b> 555376			341092*	340923*		
	W8E7	Hu	347503*									
CD11a (Integrin $\alpha_L$ chain, LFA-1 $\alpha$ )	HI111	Hu†	555383		555384	551131			561387	559875		
	G-25.2	Hu	347983*									
	G43-25B	Hu	555379		555380							
CD11b (CR3)	D12	Hu			347557*					340937*		
CD11b/Mac-1 (CR3)	ICRF44	Hu†		<b>561687</b> 557701	<b>561001</b> 555388	<b>561686</b> 555389			<b>561685</b> 557743	<b>561015</b> 550019		555387
CD11c (Integrin $\alpha_X$ chain)	B-ly6	Hu	561355		<b>560999</b> 555392	<b>561692</b> 551077			561356	<b>560895</b> 559877		
CD11c (ITGAX, CD11C Integrin $\alpha_X$ chain)	S-HCL-3	Hu			347637*					340544*		
CD13	L138	Hu			347837*				338425*			
	WM15	Hu			<b>560998</b> 555394			561361	561599	<b>561698</b> 557454		
CD14	M5E2	Hu†	<b>561712</b> 555397	<b>561706</b> 557700	<b>561707</b> 555398			<b>561116</b> 550787	<b>560919</b> 557742	<b>561708</b> 555399		
	M $\phi$ P9	Hu	347493*		347497*			340585*		340436*		



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			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD15	<b>HI98</b>	Hu	<b>560997</b> 555401		<b>561715</b> 555402			560828	560827	<b>561716</b> 551376		
	MMA	Hu	347423*									
	W6D3	Hu	562370		562371						562369	
CD16	<b>3G8</b>	Hu <sup>†</sup>	<b>560996</b> 555406		<b>560995</b> 555407	<b>561725</b> 555408		338426* 560717	<b>560918</b> 557744		<b>561724</b> 557710	555405
	B73.1	Hu	561308		347617* 561313				335788*	561304		
	NKP15	Hu	347523*									
CD16b	CLB-gran11.5	Hu			550868							
CD18 (Integrin β <sub>2</sub> chain, CR3/CR4)	L130	Hu	347953*									
	6.7	Hu <sup>†</sup>	555923		555924	557528				551060		
CD19	4G7	Hu	347543*				347544*					
	<b>HIB19</b>	Hu	<b>560994</b> 555412	<b>561741</b> 557697	555413	<b>560993</b> 555414		561295	560728	<b>561742</b> 555415		555411
	SJ25C1	Hu	340409*		340364*		340421*	340951*	<b>560911</b> 341093* 557835	340437*		
CD20	<b>2H7</b>	Hu	<b>560962</b> 555622		<b>560961</b> 555623	<b>561761</b> 555624		560736	560735	<b>560900</b> 559776		
	L27	Hu	347673*		346595* 347201*		347674*	340955*	335793*	340941*		
CD21 (CR2)	<b>B-ly4</b>	Hu <sup>†</sup>	561372		<b>561768</b> 555422	551064			561374	<b>561767</b> 559867		
CD22 (BL-CAM)	HIB22	Hu	<b>561771</b> 555424			555425						
	S-HCL-1	Hu	347573*		347577*					340933*		
CD23	EBVCS-5	Hu			341007*					340935*		
	<b>M-L233</b>	Hu	561146		<b>561774</b> 555711			561166	561167	558690		555709
CD24 (Heat stable antigen)	<b>ML5</b>	Hu	<b>560992</b> 555427		<b>560991</b> 555428			561647	561646		561644	
CD25 (IL-2 receptor α chain)	2A3	Hu	347643*		341009*				335789*	340939*		
	<b>M-A251</b>	Hu	<b>560990</b> 555431		<b>560989</b> 555432	<b>560988</b> 555433		560503	<b>560920</b> 557741	<b>560987</b> 555434		



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			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD26	L272	Hu	340426*		340423*							
	M-A261	Hu	555436		555437							
CD27	L128	Hu	340424*		340425*					337169*		
	M-T271	Hu†	<b>560986</b> 555440		<b>560985</b> 555441			560612	560609	<b>561786</b> 558664		
CD28	CD28.2	Hu	<b>561790</b> 555728		<b>561793</b> 555729	<b>561791</b> 555730			560684	<b>561792</b> 559770		555727
	L293	Hu			348047*			337181*				
CD29 (IL-2 Receptor β <sub>1</sub> chain)	MAR4	Hu			<b>561795</b> 555443	559882				<b>561794</b> 559883		
	HUTS-21	Hu			556049							
CD30 (Ki-1)	BerH8	Hu	555829		550041							555828
	Ber-H83	Hu	341644*		341645*							
CD31 (PECAM-1)	L133.1	Hu			340297*							
	M89D3	Hu		558068							558094	
	WM59	Hu	<b>560984</b> 555445		<b>560983</b> 555446						561654	
CD32 (FcγRII)	3D3	Hu	552883		552884							
	FLI8.26	Hu	555448		550586					559769		
CD33	HIM3-4	Hu	<b>561818</b> 555626									
	P67.6	Hu	340533*		347787*			341650*	333946*	340474*		
	WM53	Hu			<b>561816</b> 555450	551377				<b>561817</b> 551378		
CD34 (gp 105-120)	563	Hu			550761							
	581	Hu	<b>560942</b> 555821		<b>560941</b> 555822	<b>561819</b> 555823			560710	<b>560940</b> 555824		
	8G12	Hu	348053*		348057*		340430*	347203*	348791*	340441*		
CD35 (CR1)	E11	Hu	555452		559872							
CD36	CB38 (NL07)	Hu	<b>561820</b> 555454		<b>561821</b> 555455			561536				
CD37	M-B371	Hu	555457		561546			561563			561562	



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD38	HB7	Hu	340927*		342371* 347687*				335790*	340439*		
	HIT2	Hu	<b>560982</b> 555459		<b>560981</b> 555460	<b>561823</b> 555461		<b>561106</b> 551400	560677	<b>560980</b> 555462		
CD39 (ENTPD1, NTPDase)	TÜ66	Hu	561444		555464					560239		
CD40	5C3	Hu	<b>561847</b> 555588		<b>560963</b> 555589	555590			561215			
CD41a	HIP8	Hu	<b>561851</b> 555466		<b>560979</b> <b>561679</b> 555647	559768		340931*	561424	<b>561852</b> 559777		
CD41b	HIP2	Hu	555469									
CD42a	ALMA.16	Hu	<b>561853</b> 558818		558819							
	Beb1	Hu	348083*				340537*					
CD42b	HIP1	Hu	<b>561855</b> 555472		<b>561854</b> 555473	551141						
CD43 (Leukosialin)	1G10	Hu	<b>560978</b> 555475		560199					560198		
CD44 (Pgp-1, H-CAM, Ly24)	515	Hu			550989							
	G44-26	Hu	<b>560977</b> 555478		<b>561858</b> 555479			560531	560533	<b>560890</b> 559942		555477
	L178	Hu	347943*									
CD45 (Leucocyte common antigen)	2D1	Hu	347463*				347464*	340953*		340943*		
	HI30	Hu	<b>560976</b> 555482 561865†		<b>560975</b> 555483 561866†	<b>560974</b> 555484			<b>560915</b> 557748	<b>560973</b> 555485 561864†		555481
CD45R/B220	RA3-6B2	Hu†	<b>561877</b> 553087 553088	557669	<b>561878</b> 553089 553090	<b>561879</b> 553091	553093	552771	<b>561881</b> 552772	<b>561880</b> 553092	557683	553085 553086
CD45RA	HI100	Hu	<b>561882</b> 555488		<b>561883</b> 555489	<b>561885</b> 555490			560675			555487
	L48	Hu	347723*						337167*			
CD45RB	MT4	Hu			555904							
CD45RO	UCHL1	Hu	<b>561887</b> 555492		<b>561889</b> 347967* 555493	<b>561888</b> 555494		560607	337168* 560608	<b>560899</b> 559865 340438*		



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD46 (MCP)	E4.3	Hu	555949									
CD47 (IAP)	B6H12	Hu	556045		556046			561261			561249	
CD48 (BCM1)	TÜ145	Hu	555759		552855							
CD49a (Integrin $\alpha_1$ chain)	SR84	Hu			559596							
CD49b (Integrin $\alpha_2$ chain)	12F1	Hu			555669							
	AK-7	Hu	555498									
CD49c (Integrin $\alpha_3$ chain)	C3 II.1	Hu			556025							
CD49d (Integrin $\alpha_4$ chain)	9F10	Hu <sup>†</sup>	560840		<b>560972</b> 555503	559880				<b>561892</b> 559881		
	L25	Hu			340296*							
CD49e (Integrin $\alpha_5$ chain)	IIA1	Hu <sup>†</sup>			561894 555617							555616
CD49f (Integrin $\alpha_6$ chain)	GoH3	Hu <sup>†</sup>	<b>561893</b> 555735		<b>561894</b> 555736	551129		<b>562495</b> 562475			<b>562494</b> 562473	
CD50 (ICAM-3)	TÜ41	Hu	555958									
CD51/61	23C6	Hu <sup>†</sup>	555505		550037							
CD53	HI29	Hu			555508							
CD54 (ICAM-1)	HA58	Hu			<b>560971</b> 555511	555512				<b>561899</b> 559771		559817
	LB-2	Hu			347977*							
CD55 (DAF)	IA10	Hu	<b>561900</b> 555693		<b>561901</b> 341030* 555694	555695				555696		555692
CD56 (N-CAM)	B159	Hu		<b>561905</b> 557699	<b>561903</b> 555516	<b>561904</b> 555517		560842	<b>560916</b> 557747	555518	557711	555515
	MY31	Hu			347747*							
	NCAM16.2	Hu	340410*		340363*				335791*	341025*		
CD57	HNK-1	Hu	347393*									347391*
	NK-1	Hu	<b>561906</b> 555619		560844					560845		
CD58 (LFA-3)	1C3	Hu <sup>†</sup>	<b>561907</b> 555920		555921	551399						
	L306.4	Hu			340295*							
CD59	p282 (H19)	Hu	<b>560954</b> 555763		<b>560953</b> 555764							555762



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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD61 (Integrin β <sub>3</sub> chain)	VI-PL2	Hu <sup>†</sup>	<b>561913</b> 555753		<b>561912</b> 555754							
	RUU-PL7F12	Hu	348093*				340506*					
CD62E (E-selectin)	68-5H11	Hu			551145	550040				551144		555649
CD62L (L-selectin)	SK11	Hu	347443*		341012*							
	Dreg 56	Hu	<b>561914</b> 555543		555544	<b>561915</b> 555545				<b>561916</b> 559772		
CD62P (P-selectin)	AC1.2	Hu <sup>†</sup>			348107*							
	AK-4	Hu	<b>561922</b> 555523		<b>561921</b> 555524	551142				<b>561920</b> 550888		
CD63	H5C6	Hu <sup>†</sup>	<b>561926</b> 557288		<b>561925</b> 556020				561982		561983	
CD64	10.1	Hu	<b>560970</b> 555527		<b>561926</b> 558592 644385*			561194	561191	561189		555526
CD66 (CEA, carcino-embryonic antigen)	B1.1/CD66	Hu	551479		551480							
CD66b	G10F5	Hu	<b>561927</b> 555724		561650			562254			561645	
CD66c (CEA, carcino-embryonic antigen)	B6.2/CD66c	Hu	551775		551478							
CD68	Y1/82A	Hu	562117		556078						562111	
CD69 (Very early activation antigen)	FN50	Hu <sup>†</sup>	<b>560969</b> 555530		<b>560968</b> 555531	555532			<b>561928</b> 557745	<b>560967</b> 555533		
	L78	Hu	347823*		341652*		340548*		335792*	340560*		
CD70	Ki-24	Hu	555834		<b>561935</b> 555835							
CD71 (Transferrin receptor)	L01.1	Hu	347513*							341028*		
	M-A712	Hu	<b>561939</b> 555536		<b>561938</b> 555537	551143				<b>561940</b> 551374		555535
CD72	J4-117	Hu	555918									
CD73 (Ecto-5'-nucleotidase)	AD2	Hu	561254		<b>561014</b> 550257			561260	561258	560847		
CD74	M-B741	Hu	555540									
CD75	LN1	Hu	555654									



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CD77	5B5	Hu	551353									
CD79a (Igα, mb-1)	HM47	Hu <sup>†</sup>			340579* 555935 561942			341643*		340578* 551134		
CD79b (Igβ)	CB3-1	Hu			<b>561943</b> 555679	551063				550955		
	SN8	Hu	335798*		335799* 557931					335800*		
CD80 (B7-1)	BB1	Hu	555683									555682
	L307.4	Hu	<b>560926</b> 557226		<b>560925</b> 557227	559370			561135			557225
CD81 (TAPA-1)	JS-81	Hu	<b>561956</b> 551108		<b>561957</b> 555676					<b>561958</b> 551112		
CD83	HB15e	Hu <sup>†</sup>	<b>560929</b> 556910		<b>561959</b> 550634 556855	551058			561132	<b>561960</b> 551073		
CD85j	GHI/75	Hu	555942		551053	551054						
CD86 (B70/B7-2)	IT2.2	Hu			555665	555666						555664
	2331 (FUN-1)	Hu <sup>†</sup>	<b>560958</b> 555657		<b>560957</b> 555658	555659		561129	561128	555660		555656
CD87	VIM5	Hu			555768							
CD88 (C5a receptor)	C85-4124	Hu			552993							
	D53-1473	Hu			550494							
CD89	A59	Hu			555686							
CD90 (Thy-1)	5E10	Hu <sup>†</sup>	<b>561969</b> 555595		<b>561970</b> 555596	<b>561972</b> 555597		561557	561558	<b>561971</b> 559869		555594
CD91	A2MR-a2	Hu	550496		550497							
CDw93 (C1qRp)	R139	Hu	551531									
CD94	HP-3D9	Hu	555888		555889			562361		559876		
CD95 (Fas/APO-1)	DX2	Hu <sup>†</sup>	<b>561975</b> 340479* 555673		<b>561976</b> 340480* 555674	<b>561977</b> 559773		561655	561633	<b>561978</b> 340481* 558814		555672
CD96	6F9	Hu			562379							
CD97	VIM3b	Hu	555773		555774							
CD98	UM7F8	Hu	556076		556077							



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD99	TÜ12	Hu	<b>561986</b> 555688		555689							
CD102 (ICAM-2)	CBR-1C2/2.1	Hu			558080							
CD103	Ber-ACT8	Hu	<b>561677</b> 340945* 550259		340998* 550260							
CD104 (Integrin β <sub>4</sub> chain)	439-9B	Hu			555720							
CD105	266	Hu	561443		560839			560819			561439	
CD106 (VCAM-1)	<b>51-10C9</b>	Hu	551146		<b>561679</b> 555647	551148				551147		
CD107a (LAMP-1)	<b>H4A3</b>	Hu	<b>560949</b> 555800		<b>560948</b> 555801	<b>560947</b> 555802			561348	641581* 560664		555799
CD107b (LAMP-2)	<b>H4B4</b>	Hu	<b>560946</b> 555804									
CD108	KS-2	Hu			552830							
CD109	TEA 2/16	Hu			556040							
CD110	1.6.1	Hu			562159					562199	562188	
CD112 (PRR2)	R2.525	Hu			551057							
CD114 (G-CSF receptor)	LMM741	Hu			554538							
CD116 (GM-CSF receptor α chain)	hGMCSFR-M1	Hu			551373							
	M5D12	Hu	554532									
CD117 (c-kit)	104D2	Hu			340529*			333944*	339195*	341096*		
	<b>YB5.B8</b>	Hu			<b>561682</b> 555714	559879		562094		<b>561118</b> 550412		
CD119 (IFN-γ receptor α chain)	GIR-208	Hu			558934							
	GIR-94	Hu			558937							
CD120b (TNF receptor type II)	hTNFR-M1	Hu			552418							552477
CD122 (IL-2 receptor β chain)	Mikβ2	Hu			554522							
	<b>Mik-β3</b>	Hu			554525							554524
	TU27	Hu			340254*							
CD123 (IL-3 receptor α chain)	<b>7G3</b>	Hu	<b>561694</b> 558663		<b>561058</b> 554529			<b>560904</b> 558714	560826	560087		554528
	<b>9F5</b>	Hu			<b>561050</b> 555644 340545*	<b>561009</b> 551065						555643



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD124 (IL-4 receptor α chain)	<b>hIL4R-M57</b>	Hu			552178							552120
CDw125 (IL-5 receptor α chain)	<b>A14</b>	Hu			555902							
CD126 (IL-6 receptor α chain)	<b>M5</b>	Hu			<b>561696</b> 551850					562090		
CD127 (IL-7 receptor α subunit)	<b>hIL-7R-M21</b>	Hu	<b>561697</b> 560549		<b>561028</b> 557938			560551	560822		<b>560905</b> 558598	558633
CD130 (gp130)	<b>AM64</b>	Hu			555757							
CD132 (Common γ chain)	<b>TUGh4</b>	Hu <sup>†</sup>			<b>561699</b> 555898							555897
	<b>AG184</b>	Hu			555900							
CD134 (OX40)	<b>ACT35</b>	Hu	555837		<b>561700</b> 555838	551500						
	<b>L106</b>	Hu			340420*							
CD135	<b>4G8</b>	Hu			558996							
CD137 (4-1BB)	<b>4B4-1</b>	Hu			<b>561701</b> 555956	551137				<b>561702</b> 550890		552533
CD137 Ligand (4-1BB ligand)	<b>C65-485</b>	Hu			559446							
CD138 (Syndecan-1)	<b>DL-101</b>	Hu			550805							
	<b>Mi15</b>	Hu	<b>561703</b> 347191* 552723		<b>561704</b> 347192* 552026			341087*		347193*	562097	
CD140a (PDGF receptor α chain)	<b>αR1</b>	Hu			556002							
CD140b (PDGFRβ)	<b>28D4</b>	Hu			558821							
CD141 (Thrombomodulin)	<b>1A4</b>	Hu			559781							
CD142	<b>HTF-1</b>	Hu			<b>561713</b> 550312							
CD144	<b>55-7H1</b>	Hu	<b>560874</b> 560411		<b>561714</b> 560410			561566			561567	
CD146	<b>P1H12</b>	Hu	560846		<b>561013</b> 550315			562134	562135			
CD147 (Neurothelin)	<b>HIM6</b>	Hu	555962									
CD150	<b>A12</b>	Hu			559592							
CD151 (PETA-3)	<b>14A2.H1</b>	Hu			556057							
CD152 (CTLA-4)	<b>BNI3</b>	Hu			<b>560939</b> 555853	<b>561717</b> 555854				<b>560938</b> 555855		555852



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD154 (CD40L)	89-76	Hu			340477*							
	<b>TRAP1</b>	Hu	<b>561721</b> 555699		555700	<b>561722</b> 555701				<b>560955</b> 555702		
CD158a	HP-3E4	Hu	340531* 556062		556063							
CD158b	CH-L	Hu	559784		<b>561723</b> 559785							
CD160	BY55	Hu		562351	562118						562362	
CD161	DX12	Hu	340536* 556080		340530* 556081	551138				<b>561729</b> 550968		
CD162 (PSGL-1)	KPL-1	Hu			556055							
CD163	GHI/61	Hu			<b>560933</b> 556018							
CD164	N6B6	Hu	551297		551298			561196			561201	
CD166	<b>3A6</b>	Hu			<b>560903</b> 559263			562131				
CD172b (SIRPβ)	B4B6	Hu			552602							
CD180 (RP105)	G28-8	Hu			551953							
CD181 (CXCR1, IL-8RA, CD128a)	5A12	Hu	555939		555940	551081				551080		
CD182 (CXCR2, IL-8RB, CD128b)	6C6	Hu	551126		555933	551125				551127		
CD183 (CXCR3)	<b>1C6/CXCR3</b>	Hu		<b>561730</b> 558047	<b>560928</b> 557185	<b>561731</b> 551128		560832	560831	<b>561732</b> 550967		
CD184 (CXCR4, Fusin)	<b>12G5</b>	Hu			<b>561733</b> 555974	<b>560937</b> 555975			560669	<b>560936</b> 555976		555973
	1D9	Hu			551510							
CD185	RF8B2	Hu		558112								552118
CD191 (CCR1)	<b>53504</b>	Hu									557914	
CD192 (CCR2)	48607	Hu									<b>561744</b> 558406	
CD193 (CCR3)	5E8	Hu			<b>561746</b> 558165						<b>561745</b> 558208	
CD194 (CCR4)	<b>1G1</b>	Hu			<b>561110</b> 551120			560726	<b>561034</b> 557864		557863	551266



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD195 (CCR5)	2D7/CCR5	Hu	<b>561747</b> 555992		<b>560935</b> 555993	<b>561750</b> 556889			<b>561749</b> 557752	<b>561748</b> 556903		
	3A9	Hu			<b>560935</b> 556042			560635		550856		
CD196 (CCR6)	11A9	Hu <sup>†</sup>			<b>561019</b> 559562			<b>561752</b> 560467	560620	560619	<b>561751</b> 560466	559561
CD197 (CCR7)	150503	Hu	561271		560765			561144			560816	
	3D12	Hu	<b>561675</b> 560548		<b>561008</b> 552176				<b>560922</b> 557648		<b>560921</b> 557734	552174
CD199	112509	Hu		561608	561607						557975	
CD200 (OX2)	MRC OX-104	Hu			<b>561762</b> 552475			562124	562125			
CD201 (EPCR)	RCR-252	Hu			557950							
CD205 (DEC-205)	MG38	Hu			558069							
	MMRI-7	Hu									558156	
CD206 (Macrophage mannose receptor)	19.2	Hu	551135		555954	551136				<b>561763</b> 550889		
CD208 (DC-LAMP)	I10-1112	Hu			558126					558168		
CD209 (DC-SIGN)	DCN46	Hu	<b>561764</b> 551264		<b>561765</b> 551265			<b>561766</b> 558263		551545		
CD210 (IL-10 receptor)	3F9	Hu			556013							
CD212 (IL-12 receptor β <sub>1</sub> subunit)	2.4E6	Hu			556065					558708		
	2B6/12β2	Hu			550723							
CD220 (Insulin receptor)	3B6/IR	Hu			559955							
CD221 (IGF-I receptor α subunit)	1H7	Hu			<b>560934</b> 555999							
CD226 (DNAM-1)	DX11	Hu	559788		559789							
CD227 (MUC1)	HMPV	Hu	559774									
CD235a (Glycophorin A)	GA-R2 (HIR2)	Hu	<b>561017</b> 559943		<b>561051</b> 555570 340947*	<b>561776</b> 559944				<b>561775</b> 551336		
CD243 (P-glycoprotein)	15D3	Hu			340555*							
	17F9	Hu	557002		557003							
CD244 (2B4)	2-69	Hu	550815		550816							
CD252 (OX40 Ligand)	Ik-1	Hu			558164							



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CD253 (TRAIL)	RIK-2	Hu			<b>561784</b> 550516							550431
CD267 (TACI)	1A1-K21-M22	Hu			558414					562345		
CD268 (BAFF receptor)	11C1	Hu	558081		558097							
CD271 (NGF receptor)	C40-1457	Hu			<b>560927</b> 557196			560834	562122		<b>560877</b> 560326	557195
CD272 (BTLA)	J168-540.90.22	Hu			558485							
CD273 (B7-DC, PD-L2)	MIH18	Hu			558066					557926		
CD274 (B7-H1, PD-L1)	MIH1	Hu	558065		<b>561787</b> 557924				558017			
CD275 (B7-H2, ICOSL)	2D3/B7-H2	Hu			552502							
CD278 (ICOS)	DX29	Hu			557802							
CD279	EH12.1	Hu			560795			561273	561272		560838	
CD279 (PD-1)	MIH4	Hu	<b>561035</b> 557860		<b>560908</b> 557946					558694		
CD282 (TLR2)	11G7	Hu		558318							558319	
CD294 (CRTH2)	BM16	Hu	561659					561660			<b>561797</b> 558042	
CD305 (LAIR-1)	DX26	Hu			550811							
CD309 (VEGFR-2/KDR)	89106	Hu			<b>560872</b> 560494						<b>560871</b> 560495	
CD314 (NKG2D)	1D11	Hu			<b>561815</b> 557940			562364	562365	<b>562064</b> 558071		
CD321 (F11 receptor)	M.AB.F11	Hu			552556							
CD325	8C11	Hu		562119	561554							
CD326 (EpCAM)	EBA-1	Hu	347197*		347198*			347199*		347200*		
CD328 (Siglec-7)	F023-420	Hu			558372							
CD329 (Siglec-9)	E10-286	Hu	550906									
CD335 (NKp46)	9E2/NKp46	Hu			557991				562101	558051		
CD336 (NKp44)	P44-8.1	Hu			558563						558564	
CD337 (NKp30)	P30-15	Hu			558407						558408	
CD338 (ABCG2)	5D3	Hu			561180			561460		561451		
CD340 (HER-2/neu)	Neu 24.7	Hu	340553*		340552*					340554*		
Blood Group A	NaM87-1F6	Hu	550807									



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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
C3a Receptor	hC3aRZ8	Hu			561178						561497	
β-Catenin	14	Hu†		562505								
Chondroitin Sulfate	9.2.27	Hu		562413	562415						562414	
Clec12A	50C1	Hu	562569		562566						562568	
CLIP	CerCLIP	Hu	555981									
Cutaneous Lymphocyte Antigen (CLA)	HECA-452	Hu†	<b>561987</b> 555947									559950
Disialoganglioside GD2	14.G2A	Hu			562100						562096	
FMC7	FMC7	Hu	340919*									
fMLP receptor	5F1	Hu			556016							
GARP	7B11	Hu			562150					562341		
Hematopoietic progenitor cell (HPC)	BB9	Hu			557928					557929		
HLA-A,B,C	G46-2.6	Hu	<b>560965</b> 555552		<b>560964</b> 555553	<b>560966</b> 555554			561349	<b>562006</b> 555555		
	DX17	Hu		560169	560168							
HLA-A2	BB7.2	Hu	<b>561107</b> 551285		558570			561350	561347	561341		
HLA-DM	MaP.DM1	Hu			555983							
HLA-DQ	SK10	Hu	347453*									
	TÜ169	Hu	555563									
HLA-DR	TU36	Hu†	555560		555561	551375				559868		
	L243 (G46-6)	Hu	<b>560944</b> 347363* 555811		<b>560943</b> 347367* 555812	<b>562007</b> 555813	347364*	339194* 560652	335795* 560651	<b>560896</b> 340549* 559866		347361*
HLA-DR, DP, DQ	TÜ39	Hu	<b>562008</b> 555558									
Ig, κ light chain	TB28-2	Hu	643773*		346601*					341088*		
	G20-193	Hu	<b>560950</b> 555791		<b>562052</b> 555792			561330	561328	561323		555790
	Polyclonal	Hu	<b>562023</b> 348063*									



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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
Ig, λ light chain	1-155-2	Hu	346600*		642919*							
	JDC-12	Hu	<b>562053</b> 555796		<b>562054</b> 555797							555794
	Polyclonal	Hu	348073*									
IgD	IA6-2	Hu	555778		<b>562024</b> 555779			561315	561314	561303		555777
IgG	G18-145	Hu	<b>560952</b> 555786		<b>560951</b> 555787	551497			561298	<b>562025</b> 550931		555785
IgM	G20-127	Hu	<b>562029</b> 555782		<b>562030</b> 555783	<b>562031</b> 551079		561285		<b>561010</b> 551062		555781
IL-21 receptor	17A12	Hu			560264					560331		
ILT7 (CD85g)	17G10.2	Hu			562320					562355		
Integrin β <sub>7</sub>	FIB504	Hu			555945	551059				551082		
Invariant NK T	6B11	Hu	558371		<b>562051</b> 552825							
KIR-NKAT2	DX27	Hu	556070		556071							
LAP	TW4-2F8	Hu			562260							
Leukotriene B4 Receptor (hBLTR-1)	203/14F11	Hu			552836							552835
Lineage Antibody Cocktail with Isotype Control	–	Hu						561317		558074		
Lineage Cocktail 1	–	Hu	340546									
Lineage Cocktail 2	–	Hu	643397									
Lineage Cocktail 3	–	Hu	643510									
MIC A/B	6D4	Hu			558352							
β <sub>2</sub> -microglobulin	TÜ99	Hu	551338		551337							
NKB1 (KIR)	DX9	Hu	340483* 555966		340484* 555967							
PAC-1	PAC-1	Hu	340507*									
Streptavidin	–	–	554060		554061 349023*	554062	554064 340130*	551419	557598	554067 349024*		
SSEA-1 (CD15)	MC480	Hu <sup>†</sup>	560127		<b>560886</b> 560142			561560			<b>562277</b> 560120	
SSEA-3	MC631	Hu <sup>†</sup>	<b>560881</b> 560236		<b>560879</b> 560237			561564			561145	



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Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
SSEA-4	MC813-70	Hu	560126		560128			561565			560796	
TCR αβ	WT31	Hu	347773*									
	T10B9.1A-31	Hu	<b>561673</b> 555547		<b>561674</b> 555548							
TCR γδ	11F2	Hu	347903*		347907*							
	B1	Hu	<b>561995</b> 559878		<b>561994</b> 555717					<b>561049</b> 555718		555716
TNFR Related Protein (Lympho-toxin β receptor; LTβR)	hTNFR-RP-M12	Hu			551503							
TRA-1-60 Antigen	TRA-1-60	Hu	<b>560876</b> 560380		<b>560884</b> 560193			561573			560850	
TRA-1-81 Antigen	TRA-1-81	Hu	<b>560883</b> 560194		<b>560885</b> 560161			561575			560793	
TWEAK	CARL-1	Hu			552831							
	CARL-2	Hu			552890							
Vβ8 (BV8)	JR2	Hu	555606		555607							
Vγ9 TCR	B3	Hu	555732		555733							
Vδ2 TCR	B6	Hu	<b>562088</b> 555738		555739							



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



Intracellular Cytokines and Chemokines			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CCL18/DC-CK1	AZN-CK18	Hu			561179							
GM-CSF	BVD2-21C11	Hu			554507			562258			562257	554505
IFN-α2b	7N4-1	Hu			560097						560088	
IFN-γ	25723.11	Hu	340449*		340452*					341117*		
	4S.B3	Hu†	<b>561057</b> 554551		<b>561056</b> 554552 559326				<b>561036</b> 557844			554550
	B27	Hu	<b>561065</b> 554700	557718	<b>562016</b> 554701 559327			560704	<b>560924</b> 557643	562017 554702	557729	
IL-1α	364-3B3-14	Hu			554561							
	AS5	Hu	340513*		340514*							
IL-1β	AS10	Hu	340515*		340516*							
IL-1ra	AS17	Hu			340525*							
IL-2	5344.111	Hu	340448*		340450*					341116*		
	MQ1-17H12	Hu†	<b>561055</b> 554565		<b>560902</b> 554566 559334			560708	560707	<b>561054</b> 554567		
IL-3	BVD3-1F9	Hu			554676							554674
IL-4	3010.211	Hu			340451*							
	MP4-25D2	Hu	<b>562047</b> 554484		554485					554486		554483
	8D4-8	Hu†		557990	<b>562046</b> 554516 559333			561234	560672	560671		
IL-5	JES1-39D10	Hu			554489 559332							
	TRFK5	Hu†			<b>562049</b> 554395					<b>562048</b> 554396		
IL-6	AS12	Hu	340526*		340527*							
	MQ2-13A5	Hu	554544		554545					561441		
	MQ2-6A3	Hu	554696		554697 559331							
IL-8	AS14	Hu	340509*		340510*							
	G265-8	Hu			554720							554718



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Intracellular Cytokines and Chemokines			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
IL-9	MH9A3	Hu			<b>560814</b> 560807			561461			<b>560815</b> 560813	
IL-10	JES3-19F1	Hu†			<b>562035</b> 554706 559330					<b>562036</b> 554707		
	JES3-9D7	Hu†			554498 559337							
IL-12 (p40/p70)	C11.5	Hu	554574		554575 559329					554576		
IL-12 (p70)	20C2	Hu			557020 559325							
IL-13	JES10-5A2	Hu			<b>562039</b> 340508* 554571 559328					561162		
IL-16	14.1	Hu			554736							
IL-17A	N49-653	Hu		<b>560489</b> 560488	<b>560487</b> 560486			560799			<b>560491</b> 560490	
	SCPL1362	Hu			<b>560438</b> 560436						<b>560439</b> 560437	
IL-17F	O33-782	Hu		<b>561332</b> 561331	<b>561198</b> 561197			<b>561336</b> 561335			<b>561334</b> 561333	
IL-21	3A3-N2.1	Hu			<b>562042</b> 560463						<b>562043</b> 560493	
IP-10	6D4/D6/G2	Hu			555049							555048
IRAK4	L29-525	Hu			560303						560315	
Leukemia Inhibitory Factor (LIF, HILDA)	1F10	Hu			558571							
LT-α	359-81-11	Hu			554556							554555
MCP-1 (monocyte chemoattractant protein 1)	5D3-F7	Hu			554666 559324							
MIP-1α (macrophage inflammatory protein-1α)	11A3	Hu			554730							
MIP-1β	D21-1351	Hu	560565		<b>561120</b> 550078			560688	560687	560686		
RANTES	2D5	Hu			554732 559322							



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Intracellular Cytokines and Chemokines			Blue Laser (488 nm)						Red Laser (640 nm)			
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm		660 nm
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
TGFβ1	TW4-9E7	Hu			562339							
TNF	<b>MAb11</b>	Hu†	<b>562082</b> 554512	557722	<b>562083</b> 554513 559321			560679	<b>560923</b> 557647	<b>562084</b> 554514 551384		554511
TNF-α	6401.111	Hu	340511*		340512*					340534*		



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

## Intracellular Cell-Signaling and Transcription Factors

Emission Max			Blue Laser (488 nm)						Red Laser (640 nm)		Biotin	
			519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm		668 nm
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD3ε	APA1/1	Hu	558261		558260					558257		
CD20 (cytoplasmic)	<b>H1</b>	Hu		558056	561174			<b>560907</b> 558021	561175		558054	
CD140b (pY857) (PDGFRβ)	J24-618	Hu <sup>†</sup>		558427	558429						558428	
CD140b (pY1009) (PDGFRβ)	J25-650	Hu <sup>†</sup>			558322						558323	
CD140b (pY1021) (PDGFRβ)	J105-412	Hu <sup>†</sup>		558419	558417						558418	
CD221 (pY1131) (IGF-1 receptor)	K74-218	Hu									558588	
CD247 (pY142) (CD3ζ)	K25-407.69	Hu		558486	558448						558489	
4EBP1 (pT36/pT45)	M31-16	Hu		560287	560285						560286	
4EBP1 (pT69)	M34-273	Hu		560290	560288						560289	
Akt (pS473)	M89-61	Hu		560404	560378 561671 <sup>†</sup>						560343 561670 <sup>†</sup>	
AKT (pT308)	J1-223.371	Hu <sup>†</sup>			558275							
Akt1 (PKBα, RAC-PK)	55	Hu		560048	560049						560050	
Bcl-2	6C8	Hu	554234		556536							
	Bcl-2/100	Hu	340575* 556357		340576* 556535							
Bcl-2 (pS70)	N46-467	Hu			562532						562531	
Bcl-6	K112-91	Hu <sup>†</sup>		561524	561522			562198			561525	
Bcl-10	151	Hu	552881		552881							
BLNK (pY84)	J117-1278	Hu <sup>†</sup>		558444	558442						558443	
BLNK (SLP-65, BASH, BCA)	2B11	Hu <sup>†</sup>		558693	558688						558692	
BMI-1	P51-311	Hu			562528							
BrdU	<b>3D4</b>	Hu	556028		556029		560808	560809				
	B44	Hu	347583*									
BrdU with DNase	B44	Hu	340649*									
Btk	53/Btk	Hu			558527						558528	
Btk (pY551) & Itk (pY511)	24a/BTK (Y551)	Hu		558130	558129						558134	
E-Cadherin	36/E-Cadherin	Hu <sup>†</sup>			562526							
Caspase-3, Active Form (CPP32)	C92-605	Hu <sup>†</sup>	<b>560901</b> 559341		<b>561011</b> 550821						560626	550557
β-Catenin (pS45)	K63-363	Hu			558638						558666	
c-Cbl (pY700)	47/c-Cbl	Hu <sup>†</sup>		558101	558087						558100	



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Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
c-Cbl (pY774)	29/c-Cbl	Hu			558102						558103	
CDX-2	M39-711	Hu									560395 560258	
CREB (pS133) / ATF-1 (pS63)	J151-21	Hu		558435	558436						558434	
CrkL (pY207)	K30-391.50.80	Hu		560789	560788						560790	
Cyclin A	BF683	Hu	554107		550913							
Cyclin B1 (a.a 1-21)	GNS-1	Hu <sup>†</sup>	554108		550783							
Cyclin D1	G124-326	Hu	554109									
Cyclin D3	G107-565	Hu	554111									
Cytokeratin	CAM 5.2	Hu	347653*		347204*							
Cytokeratin 14, 15, 16, and 19	KA4	Hu			550953							
DCIR (dendritic cell immunoreceptor)	I3-612	Hu									558220	
Doublecortin	30	Hu			561505							
E2A (E47)	G127-32	Hu	552510									
EGF Receptor	EGFR1	Hu			555997							
EGF Receptor (pY845)	12A3	Hu									558523	
EGF Receptor (pY1173)	9H2	Hu									558524	
eIF4E (pS209)	J77-925	Hu			560229						560240	
ELK-1 (pS383)	M21-1721	Hu		560417	560412						560413	
eNOS	33/eNOS	Hu <sup>†</sup>			560103						560102	
ERK1/2 (pT202/pY204)	20A	Hu <sup>†</sup>		612592	612566 561991 <sup>†</sup>			560115	560116		612593 561992 <sup>†</sup>	
ERK2	G263-7	Hu <sup>†</sup>		558525	558530						558526	
EZH2	11	Hu			562478							
Ezrin (pY353)	I66-386	Hu		558627	558601						558628	
FAK (pS910)	K73-480	Hu		558544	558540						558545	
Fetal Hemoglobin	2D12	Hu	552829		560041							
FoxA2	N17-280	Hu			561589							
FoxP3 (Scurfin, IPEX, JM2)	236A/E7	Hu		561181	560852			561493			561184	
	259D/C7	Hu <sup>†</sup>		<b>560887</b> 560047	<b>560082</b> 560046						<b>560889</b> 560045	
Galectin-3	B2C10	Hu	556908		556909							
GATA3	L50-823	Hu		560163	560074				560405		560068	



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

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

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.

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

## Intracellular Cell-Signaling and Transcription Factors

			Blue Laser (488 nm)							Red Laser (640 nm)		
			519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	668 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
GATA4	L97-56	Hu <sup>†</sup>		560330	560328						560400	
GFAP	1B4	Hu		561449	561483						561470	
Granulysin	RB1	Hu		558254								
Granzyme A	CB9	Hu	558905		558904							
Granzyme B	GB11	Hu	<b>561998</b> 560211		561142						<b>561999</b> 560212	
H2AX (pS140)	N1-431	Hu		560445							560447	
Histone H3 (pS28)	HTA28	Hu <sup>†</sup>									558217	
IκBα	25/IκBa/MAD-3	Hu			560818						560817	
Ikkγ (pS376)	N19-39	Hu			562590							
IRF-7	K40-321	Hu		558707	558706							
IRF-7 (pS477/pS479)	K47-671	Hu		558629	558621						558630	
IRS-1 (pY896)	K9-211	Hu			558440						558441	
Islet-1 (ISL-1)	Q11-465	Hu			562547							
JNK (pT183/pY185)	N9-66	Hu <sup>†</sup>			562480						562481	
Ki-67	<b>B56</b>	Hu <sup>†</sup>	556026	561165	556027			561284	561283		561126	
LAT (pY171)	I58-1169	Hu		558519	558487						558518	
LAT (pY226)	J96-1238.58.93	Hu		558430	558433						558432	
Lck	MOL 171	Hu <sup>†</sup>		558504	558496						558505	
Lck (pY505)	4/Lck-Y505	Hu		557879	558552						558577	
MAP2B	18/MAP2B	Hu		560399							560382	
MAPKAPK-2 (pT334)	P24-694	Hu <sup>†</sup>		562471	562470						562472	
Mcm6	Ki-Mcm6	Hu	557951									
MEK1	25/MEK1	Hu <sup>†</sup>			560099						560101	
MEK1 (pS298)	J114-64	Hu		560192	560042						560043	
MEK2	96/MEK2	Hu			560388						560387	
MRP-1	QCRL-3	Hu	557593									
MSI1	N14-47	Hu			561468							
Myeloperoxidase (MPO)	5B8	Hu	340580*		341642*							
Nanog	N31-355	Hu		560791	<b>560873</b> 560483			562259			561300	
Nestin	25/NESTIN	Hu <sup>†</sup>			561230			561231			560393	
NF-κB p65 (pS529)	K10-895.12.50	Hu		558421	558423				560335		558422	



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



Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)						Red Laser (640 nm)			
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	668 nm
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
NPM-ALK	ALK1	Hu	559818		559257							
Oct3/4	40/Oct-3	Hu <sup>†</sup>		560253	560186			560794			560329	
Oct3/4A	O50-808	Hu		561628	561556			562251			562252	
p16 <sup>INK4</sup> mAb / Isotype Reagent Set	G175-1239	Hu	556560		556561							
p38 MAPK (pT180/pY182)	36/p38 (pT180/pY182)	Hu <sup>†</sup>		612594	612565 562065 <sup>‡</sup>			560406	560241		612595 562066 <sup>‡</sup>	
p53	DO-7	Hu <sup>†</sup>	554298		556534							
	G59-12	Hu <sup>†</sup>	557026		557027							
p53 (acK382)	L82-51	Hu									560231	
p53 (pS37)	J159-641.79	Hu		560282							560280	
p120 Catenin (pS268)	9a.390	Hu		558558							558559	
p120 Catenin (pS288)	17/Catenin (cl.17)	Hu		558562	558567						558561	
p120 Catenin (pS879)	K114-1011	Hu			558634						558635	
p120 Catenin (pT310)	22/p120 (pT310)	Hu		558667	558596						558668	
p120 Catenin (pT916)	1/Catenin	Hu		558669	558637						558670	
p130 <sup>Cas</sup> (pY249)	J169-757.12.2	Hu		558546	558538						558547	
PARP, Cleaved Form (Asp 214)	F21-852	Hu <sup>†</sup>	558576		552933			562388				
Pax-6	O18-1330	Hu		561664	561552							
PCNA	PC10	Hu	556030		556031							555567
PDPK1 (pS241) (PDK1, PKB kinase, pS241, pS241, PDK1 (pS241), PKB kinase (pS241))	J66-653.44.17	Hu		560090	560092						560091	
PDX-1	658A5	Hu <sup>†</sup>		562274	562161						562265	
Perforin	δG9	Hu	556577		556437							
Phosphotyrosine	PY20	Hu <sup>†</sup>			558008							
PKA RIIα (pS99)	I65-856.286	Hu			560165						560164	
PKA[RIIβ] (pS114)	47	Hu		560204							560205	
PKCα	3/PKC	Hu		560242							560243	
PKCα (pT497)	K14-984	Hu <sup>†</sup>		560139	560141						560140	
PKCα (pT638)	35/PKC	Hu			560267						560266	
PKCθ	27	Hu			560216					560344		
PLC-γ1	10/PLC-gamma	Hu		558566	558575						558565	



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



Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	668 nm
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
PLC-γ1 (pY783)	<b>27/PLC</b>	Hu		557884							557883	
PLC-γ2	<b>K86-1161</b>	Hu†		560135	560134						560136	
PLC-γ2 (pY759)	<b>K86-689.37</b>	Hu		558507	558490						558498	
PLK1 (pT210)	<b>K50-483</b>	Hu		558446	558445						558447	
PTEN (MMAC1, TEP1)	<b>A2B1</b>	Hu			560002						560003	
Pyk2 (pY402)	<b>L68-1256.272</b>	Hu			560255						560256	
Rb (a.a. 332-344)	<b>G3-245</b>	Hu†	556538									
Rb (pS780)	<b>J146-35</b>	Hu		558554	558548						558555	
Rb (pS807/pS811)	<b>J112-906</b>	Hu		558589	558549						558590	
Rb, underphosphorylated (a.a. 514-610)	<b>G99-549</b>	Hu†	550501		550502							
Ronin/THAP11	<b>P56-507</b>	Hu†			562549							
S6 (pS235/pS236)	<b>N7-548</b>	Hu		560434	560433						560435	
S6 (pS240)	<b>N4-41</b>	Hu		560431	560430						560432	
S6 (pS244)	<b>N5-676</b>	Hu			560462						560465	
SATB1	<b>14/SATB1</b>	Hu									562378	
SHP2 (pY542)	<b>L99-921</b>	Hu									560390	
SLP-76	<b>H3</b>	Hu		560056	560058						560057	
SLP-76 (pY128)	<b>J141-668.36.58</b>	Hu		558439	558437						558438	
Smad1 (pS463/pS465)/Smad8 (pS465/pS467)	<b>N6-1233</b>	Hu			562509							
Smad2 (pS465/pS467)/Smad3 (pS423/pS425)	<b>O72-670</b>	Hu†			562586							
Sox1	<b>N23-844</b>	Hu			561592			561549				
Sox2	<b>245610</b>	Hu		560301 560292	560291						560302	
	<b>O30-678</b>	Hu			562195			561506			562139	
Sox17	<b>P7-969</b>	Hu		562205	561591			562387				
Src (pY418)	<b>K98-37</b>	Hu		560095	560094						560096	
Stat1 (N-terminus)	<b>1/Stat1</b>	Hu			558537						558560	
Stat1 (pS727)	<b>K51-856</b>	Hu		560191	560069						560190	
Stat1 (pY701)	<b>4a</b>	Hu†		612596	612564 562069†			560113			612597 562070†	



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



Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
<b>Stat3</b>	<b>M59-50</b>	<b>Hu</b>			560391					560392		
Stat3 (pS727)	49/p-Stat3	Hu <sup>†</sup>		558085	558557						558099	
Stat3 (pY705)	4/P-STAT3	Hu <sup>†</sup>		557814	612569 562072 <sup>‡</sup>			560114			557815 562071 <sup>‡</sup>	
Stat4 (pY693)	38/p-Stat4	Hu		558136	558249 562073 <sup>‡</sup>			561217			558137 562074 <sup>‡</sup>	
Stat5 (pY694)	47	Hu		612598 562075 <sup>‡</sup>	612567 562077 <sup>‡</sup>			560118	560117		612599 562076 <sup>‡</sup>	
Stat6	23/Stat6	Hu			560001						560000	
Stat6 (pY641)	18	Hu		612600	612701 562078 <sup>‡</sup>			561195			612601 562079 <sup>‡</sup>	
Syk	4D10	Hu	552476									
Syk (pY348)	I120-722	Hu <sup>†</sup>		560081	558529							
T-Bet	04-46	Hu <sup>†</sup>		561266	561268			561316			561267	
	4B10	Hu <sup>†</sup>			561265						561264	
TBK1 (pS172) (T2K, NAK)	J133-587	Hu		558602	558604						558603	
TBK1 (T2K, NAK)	637Ig11.2	Hu		558697	558696						558698	
Terminal Transferase (TdT)	E17-1519	Hu	347194* 550756		347195* 550757					347196*		
THEMIS	Q13-1103	Hu			562588							
TIE2 (pY992) (TEK, VMCM, CD202b)	K91-860	Hu									560051	
TIE2 (pY1102) (TEK, VMCM, CD202b)	K93-754	Hu		560053	560052						560054	
TLR9	eB72-1665	Hu			560425					560428		
β-Tubulin, Class III	TUJ1	Hu		560381							560394	
Vimentin	RV202	Hu		562338	562237							
WIP (pS488)	K32-824	Hu			558673						558674	
XBP-1S	Q3-695	Hu <sup>†</sup>			562642							
ZAP-70	1E7.2	Hu	344931*		344635*							
Zap70 (pY292)	J34-602	Hu		558516	558510						558515	
Zap-70 (pY319)/Syk (pY352)	17a/P-ZAP70	Hu <sup>†</sup>		557818	557881			561459	561458		557817	



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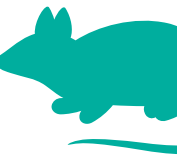
## Contents

	<b>Human</b> Antibody Reagents		<b>Mouse</b> Antibody Reagents		<b>Non-Human Primate</b> Antibody Reagents			
	Surface Markers	5–20		Surface Markers	31–41		Surface Markers	47–50
	Intracellular Cytokines and Chemokines	21–23		Intracellular Cytokines and Chemokines	42		Intracellular Cytokines and Chemokines	51
	Intracellular Cell-Signaling and Transcription Factors	24–29		Intracellular Cell-Signaling and Transcription Factors	43–44		Intracellular Cell-Signaling and Transcription Factors	52

# BD Multicolor Antibody Reagents Catalog

## Mouse Antibody Reagents

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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
Annexin V	–	–	<b>560931</b> 566420 556419		<b>560930</b> 556422 556421			561431		<b>561012</b> 550475 550474		556418 556417
CD1d (CD1.1, Ly-38)	<b>1B1</b>	Ms	553845 561756		553846							553844
CD2 (LFA-2)	<b>RM2-5</b>	Ms	553111 561758		553112							553110
CD3 molecular complex	<b>17A2</b>	Ms	555274 561798		<b>561799</b> 555275	555276		560527	560591		557869	
CD3e (CD3 ε chain)	<b>145-2C11</b>	Ms	<b>561827</b> 553061 553062	557666	<b>561824</b> 553063 553064	<b>561825</b> 553065	<b>561089</b> 553067	<b>561108</b> 551163	<b>561100</b> 552774	<b>561826</b> 553066		553059 553060
	<b>500A2</b>	Ms			553240							553239
CD4 (L3T4)	<b>GK1.5</b>	Ms	<b>561828</b> 557307 553729		<b>561829</b> 557308 553730							553728
	<b>H129.19</b>	Ms	<b>561831</b> 553650 553651		<b>561832</b> 553652 553653	553654						553648 553649
	<b>RM4-4</b>	Ms	553055									557443
	<b>RM4-5</b>	Ms	<b>561835</b> 553046 553047	557667	<b>561837</b> 553048 553049	<b>561836</b> 553050	<b>561090</b> 553052	<b>561115</b> 550954	<b>561099</b> 552775	<b>561091</b> 553051	557681	553044 553045
CD5 (Ly-1)	<b>53-7.3</b>	Ms	553020 553021		553022 553023	553024	553025			<b>561895</b> 550035		553018 553019
CD5.1 (Ly-1.1)	<b>H11-86.1</b>	Ms	557487									
CD6	<b>J90-462</b>	Ms	558500		558499							
CD8a (Ly-2)	<b>53-6.7</b>	Ms	<b>561966</b> 553030 553031	557668	<b>561095</b> 553032 553033	<b>561094</b> 553034	<b>561092</b> 553036	<b>561109</b> 551162	<b>561097</b> 552877	<b>561093</b> 553035	557682	553028 553029
CD8b (Ly-3)	<b>H35-17.2</b>	Ms			550798							
CD8b.2 (Ly-3.2)	<b>53-5.8</b>	Ms	553040 561968		553041							553039



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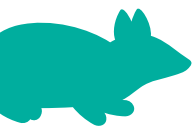
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# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD11a (Integrin $\alpha_L$ chain, LFA-1 $\alpha$ )	2D7	Ms	553120 561683		553121				558191			557365
	M17/4	Ms	553340									557455
CD11b (Integrin $\alpha_M$ chain)	M1/70	Ms	<b>561688</b> 557396 553310	557672	<b>561689</b> 557397 553311			<b>561114</b> 550993	<b>561098</b> 552850	<b>561690</b> 553312	557686	557395 553309
CD11c (Integrin $\alpha_X$ chain)	HL3	Ms	<b>561045</b> 557400 553801		<b>561044</b> 557401 553802			560584	<b>561022</b> 558079	<b>561119</b> 550261		553800
CD13	R3-242	Ms	558744		558745							
CD14	rmC5-3	Ms	553739 561710		<b>561711</b> 553740			560638		560634		
CD16/CD32 (Fc $\gamma$ III/II receptor)	2.4G2	Ms	553144 561728		553145 561727			560540	560829	558636		553143
CD18 (Integrin $\beta_2$ chain, CR3/CR4)	C71/16	Ms	553292		553293							557439
CD19	1D3	Ms	<b>561740</b> 557398 553785		<b>561736</b> 557399 553786			<b>561113</b> 551001	<b>561739</b> 552854	<b>561738</b> 550992	557684	553784
CD21/CD35 (CR2/CR1)	7G6	Ms	553818 561769		552957					<b>561770</b> 558658		
CD22 (PY822)	12a/CD22	Ms		560075	560076							
CD22.2 (Lyb-8.2)	Cy34.1	Ms	557474		553384							553382
CD23 (Fc $\epsilon$ RII)	B3B4	Ms	553138 561772		<b>561773</b> 553139							553137
CD24 (Heat stable antigen)	M1/69	Ms	553261 561777		<b>561079</b> 553262			562360	560536			553260
CD25 (IL-2 receptor $\alpha$ chain, p55)	3C7	Ms	558689		553075					558643		
	7D4	Ms	<b>561779</b> 553071 553072		558642							553069 553070
	PC61	Ms			<b>561065</b> 553866			<b>561112</b> 551071	<b>561780</b> 552880	<b>561048</b> 557192		
CD26 (THAM, DPP IV)	H194-112	Ms	559652									
CD27	LG.3A10	Ms <sup>†</sup>			<b>561785</b> 558754					560691		558753
CD28	37.51	Ms			<b>561789</b> 553297							553296



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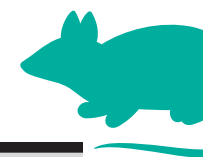
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**Bold catalog numbers** denote that the product is a small size (25–30 tests or 25  $\mu$ g).

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Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD29 (Integrin β <sub>1</sub> chain)	Ha2/5	Ms <sup>†</sup>	555005		562154						562153	555004
CD30	mCD30.1	Ms			553825							553824
CD31 (PECAM-1)	390	Ms	558738						561410			558737
	MEC 13.3	Ms	<b>561813</b> 553372		<b>561073</b> 553373					<b>561814</b> 551262		553371
CD34 (Mucosialin)	RAM34	Ms	560238 553733		551387						560233 560230	
CD38	90	Ms	558813		553764							553762
CD40	3/23	Ms	553790 561845		<b>561846</b> 553791					558695		553789
	HM40-3	Ms <sup>†</sup>	553723									
CD41 (Integrin α <sub>IIb</sub> chain)	MWReg30	Ms	553848 561849		<b>561850</b> 558040							
CD43 (Ly-48, leukosialin)	S7	Ms	<b>561856</b> 553270		<b>561857</b> 553271					560663		553269
CD44 (Pgp-1, H-CAM, Ly-24)	IM7	Ms	553133 561859		<b>561860</b> 553134	<b>561861</b> 553135		560570	560569	<b>561862</b> 559250		553132
CD45 (Leucocyte common antigen, Ly-5)	30-F11	Ms	<b>561088</b> 553079 553080		<b>561087</b> 553081	<b>561870</b> 553082	<b>561047</b> 557235	<b>561869</b> 550994	<b>561868</b> 552848	<b>561018</b> 559864		553077 553078
CD45.1 (Ly-5.1)	A20	Ms	553775 561871		<b>561872</b> 553776			560580	560578	<b>561873</b> 558701		553774
CD45.2 (Ly-5.2)	104	Ms	553772 561874		560695			<b>561096</b> 552950	560696	<b>561875</b> 558702		553771
CD45R/B220	RA3-6B2	Ms <sup>†</sup>	<b>561877</b> 553087 553088	557669	<b>561878</b> 553089 553090	<b>561879</b> 553091	<b>561086</b> 553093	<b>561101</b> 552771	<b>561881</b> 552772	<b>561880</b> 553092	557683	553085 553086
CD45RA	14.8	Ms			553380							557460
CD45RB	16A	Ms	553099 553100		553101							553097 553098
CD45RC	DNL-1.9	Ms			557357							
CD47 (IAP)	miap301	Ms	555298 561890									
CD48 (BCM1)	HM48-1	Ms	557484		557485				560731			
CD49b (Integrin α <sub>2</sub> chain)	HMα2	Ms			558759					558295		
	Ha1/29	Ms <sup>†</sup>	554999									



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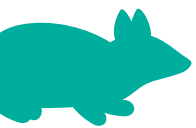
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# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD49b/Pan-NK Cells	<b>DX5</b>	Ms	<b>561067</b> 553857		<b>561066</b> 553858					560628		553856
CD49d (Integrin α <sub>4</sub> chain)	<b>9C10</b> (MRF4.B)	Ms			557420							557419
	<b>R1-2</b>	Ms	553156		553157							557406
CD49e (Integrin α <sub>5</sub> chain)	<b>5H10-27</b>	Ms			557447							557446
CD49f (Integrin α <sub>6</sub> chain)	<b>GoH3</b>	Ms <sup>†</sup>	<b>561893</b> 555735		<b>561894</b> 555736	551129		<b>562495</b> 562475			<b>562494</b> 562473	
CD51 (Integrin α <sub>v</sub> chain)	<b>RMV-7</b>	Ms			551187							551380
CD54 (ICAM-1)	<b>3E2</b>	Ms	553252 561898		553253					561605		553251
CD55 (DAF)	<b>RIKO-5</b>	Ms			558037							
CD61 (Integrin β <sub>3</sub> chain)	<b>2C9.G2</b>	Ms <sup>†</sup>	553346 561911		<b>561910</b> 553347							553345
CD62E (E-selectin, ELAM-1)	<b>10E9.6</b>	Ms			553751							553750
CD62L (L-selectin, LECAM-1, Ly-22)	<b>MEL-14</b>	Ms	553150 561917		<b>561918</b> 553151			560513	560516	<b>561919</b> 553152		553149
CD62P (P-selectin)	<b>RB40.34</b>	Ms	553744 561923									553743
CD64 a and b Alloantigens	<b>X54-5/7.1</b>	Ms			558455						558539	
CD69 (Very early activation antigen)	<b>H1.2F3</b>	Ms	<b>561919</b> 557392 553236		<b>561932</b> 553237			<b>561931</b> 551113	<b>561930</b> 552879	560689		553235
CD70	<b>FR70</b>	Ms			555286							555285
CD71 (Transferrin receptor)	<b>C2</b>	Ms	553266 561936		<b>561937</b> 553267							557416
CD72 a, b, and d Alloantigens (Lyb-2.1, Lyb-2.2, Lyb-2.4)	<b>K10.6</b>	Ms	550966									
CD72 b and c Alloantigens (Lyb-2.2 and Lyb-2.3)	<b>JY/93</b>	Ms			550269							
CD73 (Ecto-5-nucleotidase)	<b>TY/23</b>	Ms		561545	550741						561543	
CD74 (II)	<b>In-1</b>	Ms	555318 561941									
CD79b (Ilgβ)	<b>HM79b</b>	Ms	555303 561944									
CD80 (B7-1)	<b>16-10A1</b>	Ms <sup>†</sup>	553768 561954		<b>561955</b> 553769			560526		560016		553767



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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD81 (TAPA-1)	Eat2	Ms <sup>†</sup>			559519							559518
CD83	Michel-19	Ms			558205					558206		
CD86 (B7-2)	GL1	Ms	561962 553691		<b>561963</b> 553692				560582	<b>561964</b> 558703		553690
CD90.1 (Thy-1.1)	OX-7	Ms <sup>†</sup>	554897 561973		551401 554898		557266		561404	561409		554896
	HIS51	Ms <sup>†</sup>	554894									554893
CD90.2 (Thy-1.2)	30-H12	Ms	553012 553013		553014							553011
	53-2.1	Ms	553003 553004		553005 553006				561642	<b>561974</b> 553007		553001 553002
CD95 (Fas/APO-1)	Jo2	Ms	554257 561979		<b>561985</b> 554258				557653			554256
CD102 (ICAM-2)	3C4 (mIC2/4)	Ms	557444									557441
CD103 (Integrin $\alpha_{EL}$ chain)	M290	Ms	557494		<b>561043</b> 557495							557493
	M293	Ms	557497		557498							
CD106 (VCAM-1)	429 (MVCAM.A)	Ms	553332 561678		561613						561612	553331
CD107a (LAMP-1)	1D4B	Ms	<b>561069</b> 553793		558661				560647	560646		
CD107b (LAMP-2)	ABL-93	Ms	558758									
CD117 (c-Kit)	2B8	Ms	553354 561680		<b>561075</b> 553355			560557	558163	<b>561074</b> 553356		553353
	ACK45	Ms			553869							
CD120b (TNF receptor, Type II/p75)	TR75-89	Ms			550086							550476
CD121a (IL-1 receptor, type I/p80)	35F5	Ms			557489							
CD121b (IL-1 receptor, type II/p60)	4E2	Ms			554450							
CD122 (IL-2 and IL-15 receptor $\beta$ chain)	5H4	Ms	554452									
	TM-b1	Ms	553361 561693		553362							559884
CD124 (IL-4 receptor $\alpha$ chain)	mIL4R-M1	Ms			<b>561695</b> 552509							552508
CD125 (IL-5 receptor $\alpha$ chain)	T21	Ms		558533	558488							
CD126 (IL-6 receptor $\alpha$ chain)	D7715A7	Ms			554462							



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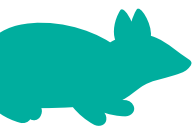
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# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	668 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD127 (IL-7 receptor α chain)	<b>SB/199</b>	Ms		561533	552543				560733			
CD131 (β <sub>IL-3R</sub> β <sub>2</sub> )	JOR050	Ms			559920							
CD132 (Common γ chain, γ <sub>2</sub> )	4G3	Ms			554457							
	TUGm2	Ms			554471							554470
CD135 (Flk-2/Flt3, Ly-72)	<b>A2F10.1</b>	Ms			<b>561068</b> 553842					560718		
CD137 (4-1BB, Ly-63)	1AH2	Ms	558975		558976							558974
CD138 (Syndecan-1)	<b>281-2</b>	Ms			<b>561070</b> 553714					<b>561705</b> 558626		553713
CD146	ME-9F1	Ms		562229	562196			562231			562230	
CD152 (CTLA-4)	<b>UC10-4F10-11</b>	Ms			<b>561718</b> 553720							
CD153 (CD30 ligand)	RM153	Ms			559232							
CD154 (CD40 ligand, gp39)	<b>MR1</b>	Ms			<b>561719</b> 553658							553657
CD157 (BP-3 alloantigen)	BP-3	Ms			552814							
CD160	CNX46-3	Ms			562216			562218			562217	
CD162 (PSGL-1)	2PH1	Ms			555306							
CD172a (SIRPα, SHPS-1, BIT)	P84	Ms	560316		560107					560106		
CD178 (Fas ligand, CD95 ligand)	<b>MFL3</b>	Ms			555293							555292
CD178.1 (mFasL.1, CD95 ligand)	Kay-10	Ms			553854							553853
CD183	CXCR-173	Ms			562152					562266		
CD184 (CXCR4, fusin)	<b>2B11/CXCR4</b>	Ms			<b>561735</b> 551967	551966				558644		551968
CD185 (CXCR5)	2G8	Ms			<b>561989</b> 560577			560528	560617	560615		551960
CD193 (CCR3)	83103	Ms									557974	
CD195 (CCR5)	<b>C34-3448</b>	Ms			559923							559922
CD196 (CCR6)	140706	Ms									<b>561753</b> 557976	
CD197 (CCR7)	4B12	Ms			560682			560812			560766	
CD210 (IL-10 receptor)	<b>1B1.3a</b>	Ms			559914							
CD212 (IL-12 receptor β chain)	114	Ms			551974							551973
CD223 (LAG3)	C9B7W	Ms			552380					562346		



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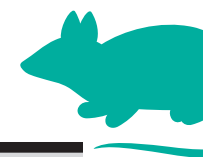
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CD229.1 (Ly-9.1)	30C7	Ms	553117		560201					560188		557363
CD244.2 (2B4 B6 alloantigen)	2B4	Ms	553305 561778		553306							557452
CD267 (TACI)	8F10	Ms			558410						558453	
CD273 (B7-DC, PD-L2)	TY25	Ms			557796					560086		
CD274 (B7-H1, PD-L1)	MIH5	Ms			558091							
CD278 (ICOS)	7E.17G9	Ms			552146							552145
CD279 (PD-1)	J43	Ms			<b>561788</b> 551892							
CD284/MD-2 Complex (TLR4/MD-2 complex)	MTS510	Ms			558294							
CD314 (NKG2D)	CX5	Ms			558403							
CD335 (NKp46)	29A1.4	Ms	560756		560757			560800			560755	
B7-H3 (CD276)	MIH32	Ms			562357							
B7-H4	MIH29	Ms			562239							
Dendritic Cells	33D1	Ms			557578							552776
DO-11.10 Clonotypic TCR	KJ1-26	Ms			551772							
Early B Lineage	AA4.1	Ms	559156 561990		558039							
FR4	12A5	Ms			560320					560318		
	TH6	Ms			560324					560319		
GITR	DTA-1	Ms	558139		558119			558140				
H-2D <sup>b</sup>	KH95	Ms	553573 562000		553574							553572
H-2D <sup>d</sup>	34-2-12	Ms	553579 562001		553580							553578
	34-5-85	Ms			558917							
H-2D <sup>k</sup>	15-5-5	Ms	553585									
H-2K <sup>b</sup>	AF6-88.5	Ms	553569 562002		<b>561072</b> 553570							553568
H-2K <sup>b</sup> /H-2D <sup>b</sup>	28-8-6	Ms										553576
H-2K <sup>d</sup>	SF1-1.1	Ms	553565 562003		<b>562004</b> 553566							553564



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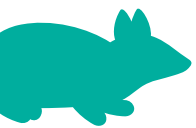
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Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
H-2K <sup>k</sup>	36-7-5	Ms	553592 562005		553593							553591
	AF3-12.1	Ms	553554									
H-2K <sup>q</sup>	KH114	Ms	553597									
H-2K <sup>s</sup>	KH49	Ms	558841									
I-A/I-E	2G9	Ms	553623 562009		<b>562010</b> 558593							553622
	M5/114.15.2	Ms		562352	557000			562363			562367	
I-A <sup>b</sup>	AF6-120.1	Ms	553551 562011		<b>562012</b> 553552							553550
I-A <sup>b</sup> (A <sub>B</sub> <sup>b</sup> )	25-9-17	Ms	553605									553604
I-A <sup>d</sup>	39-10-8	Ms	553610									553609
	AMS-32.1	Ms	553547 562013		553548							553546
I-A <sup>k</sup> (A <sub>α</sub> <sup>k</sup> )	11-5.2	Ms	553536		553537							558794
I-A <sup>k</sup> (A <sub>β</sub> <sup>k</sup> )	10-3.6	Ms	553540 562014									553539
I-A <sup>p</sup>	7-16.17	Ms	558921									
I-E <sup>k</sup>	17-3-3	Ms	558846									558845
	14-4-4S	Ms <sup>†</sup>	553543 562015		553544							558735
Ig (affinity-purified)	Polyclonal	Ms	349031*									
Ig, κ light chain	187.1	Ms	550003		<b>561021</b> 559940			560668	560667			559750
	X36	Ms			349073*							
IgA	C10-3	Ms	559354									
IgD	11-26c.2a	Ms	553439 562022		558597					560868		
IgD <sup>a</sup> (Igh-5a, Igh-5.4)	AMS 9.1	Ms	553507									553506
IgD <sup>b</sup> (Igh-5b)	217-170	Ms	553510		553511							553509
IgE	R35-72	Ms	553415									553414
IgG & IgM (human adsorbed)	Polyclonal	Ms	555988									
IgG <sub>1</sub>	A85-1	Ms	<b>562026</b> 553443		<b>562027</b> 550083					560089		553441
	X56	Ms			340270*		340272*			550874		



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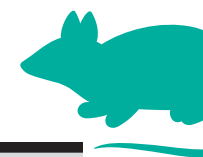
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			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
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IgG <sub>2a</sub>	<b>R19-15</b>	Ms	553390 562028									553388 550332
IgG <sub>2a/2b</sub>	<b>R2-40</b>	Ms	553399									553398
IgG <sub>2a+b</sub>	<b>X57</b>	Ms			340269*		340271*					
IgG <sub>2a</sub> <sup>a</sup> (Igh-1a)	<b>8.3</b>	Ms										553502
IgG <sub>2b</sub>	<b>R12-3</b>	Ms	553395									553393 550333
IgG <sub>3</sub>	<b>R40-82</b>	Ms	553403									553401
IgM	<b>II/41</b>	Ms	553437							<b>562032</b> 550676		553436
	<b>R6-60.2</b>	Ms	<b>562033</b> 553408		553409			<b>562034</b> 550881	552867			553406
IgM <sup>a</sup> (Igh-6a)	<b>DS-1</b>	Ms	553516		553517							553515
IgM <sup>b</sup> (Igh-6b)	<b>AF6-78</b>	Ms	553520		553521							553519
IL-21 Receptor	<b>4A9</b>	Ms			558607							
IL-23R	<b>O78-1208</b>	Ms			562497							
KLRG1	<b>2F1</b>	Ms		561619	561621					561620		550863
Lineage Cocktail	–	Ms						561317				
LPAM-1 (Integrin α <sub>4</sub> β <sub>7</sub> complex)	<b>DATK32</b>	Ms			553811					562376		
Ly-6A/E (Sca-1)	<b>D7</b>	Ms	<b>562058</b> 557405		<b>562059</b> 553108				<b>561021</b> 558162			557404
	<b>E13-161.7</b>	Ms	<b>561077</b> 553335		<b>561076</b> 553336							553334
Ly-6C	<b>AL-21</b>	Ms	<b>561085</b> 553104		560592			560525	560593	560595		557359
Ly-6d	<b>49-H4</b>	Ms	561148		561149						561147	
Ly-6G	<b>1A8</b>	Ms	<b>561105</b> 551460		<b>561104</b> 551461			560602	560601	560599		
Ly-6G and Ly-6C (Gr-1)	<b>RB6-8C5</b>	Ms	<b>562060</b> 553126 553127		<b>561084</b> 553128			<b>561103</b> 552093	552985	<b>561083</b> 553129		553124 553125
Ly-49A <sup>B6</sup>	<b>A1</b>	Ms	553677		557424							557423
Ly-49C and Ly-49I	<b>5E6</b>	Ms	553276 562055		553277							557418
Ly-49D	<b>4E5</b>	Ms	555313 562056									



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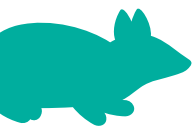
\* RUO (GMP) status reagents

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

**Clone** Highlighted clones denote that the clone is available for the Express Custom Conjugation Service.



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

Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
Ly-49F	HBF-719	Ms			550987							550986
Ly-49G2 (LGL-1)	4D11	Ms	555315						560730	555316		
Ly-49G2 <sup>B6</sup>	Cwy-3	Ms	550580									
Ly-49H	3D10	Ms			562206						562207	
Ly-49I	YLI-90	Ms			550595							
Ly-51 (6C3/BP-1 antigen)	6C3	Ms	553160 562057									553159
	BP-1	Ms			553735							
Ly-108	13G3	Ms			561540						561547	
Mac-3	M3/84	Ms	553323 562061		553324							
MD-1 (Ly-86)	MD14	Ms									558204	
NK-1.1 (NKR-P1B and NKR-P1C)	PK136	Ms	<b>561082</b> 553164		<b>561046</b> 557391 553165			<b>561111</b> 551114	<b>562062</b> 552878	<b>561117</b> 550627		553163
NKG2A/C/E	20d5	Ms	550520 562063									550519
NK-T/NK Cell Antigen (ICAM-1)	U5A2-13	Ms			550082							
PIR-A/B	6C1	Ms			550349							
RAE-1	CX1	Ms			558078							
RANKL/TRANCE	IL22-5	Ms			560295						560296	
Siglec-F	E50-2440	Ms			<b>562068</b> 552126							
SSEA-1	MC480	Ms	560127		<b>560886</b> 560142						<b>562277</b> 560120	
SSEA-3	MC631	Ms <sup>†</sup>	<b>560881</b> 560236		<b>560879</b> 560237			561564				
Streptavidin	–	–	554060		554061 349023*	554062	554064 340130*	551419	557598	554067 349024*		
Syndecan-4	KY/8.2	Ms			550352							550351
T- and B-Cell Activation Antigen (GL7, Ly-77)	GL7	Ms	553666 562080		561530						561529	
TCR β chain	H57-597	Ms	<b>562081</b> 553170 553171		<b>561081</b> 553172	553173		560657	560729	<b>561080</b> 553174		553168 553169



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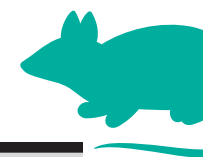
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Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
TCR $\gamma\delta$	GL3	Ms	553177 561996		<b>561997</b> 553178							553176
TER-119/Erythroid cells (Ly-76)	TER-119	Ms	<b>561032</b> 557915		<b>561071</b> 553673			560512	557853	<b>561033</b> 557909		553672
V $\alpha$ 2 TCR	B20.1	Ms	<b>562085</b> 553288		<b>561078</b> 553289			560529	560624	560622		553287
V $\alpha$ 3.2 <sup>b,c</sup> TCR	RR3-16	Ms	553219									553218
V $\alpha$ 8.3 TCR	B21.14	Ms	553376		553377							
	KT50	Ms										557096
V $\beta$ 2 TCR	B20.6	Ms	553280		553281							553279
V $\beta$ 3 TCR	KJ25	Ms	553208		553209							553207
V $\beta$ 5.1, 5.2 TCR	MR9-4	Ms	553189 562087		<b>562086</b> 553190							553188
V $\beta$ 6 TCR	RR4-7	Ms	553193		553194							553192
V $\beta$ 7 TCR	TR310	Ms	553215		553216							
V $\beta$ 8 TCR	F23.1	Ms	553861		553862							553860
V $\beta$ 8.1, 8.2 TCR	MR5-2	Ms	553185		553186							553184
V $\beta$ 8.3 TCR	1B3.3	Ms	553663		553664							
V $\beta$ 9 TCR	MR10-2	Ms	553201									
V $\beta$ 10 <sup>b</sup> TCR	B21.5	Ms	553284		553285							
V $\beta$ 11 TCR	RR3-15	Ms	553197		553198							553196
V $\beta$ 11.1, 11.2 <sup>b,d</sup> TCR	RR8-1	Ms	553222		553223							553221
V $\beta$ 12 TCR	MR11-1	Ms	553300									553299
V $\beta$ 13 TCR	MR12-3	Ms	553204		561541					561542		
V $\beta$ 14 TCR	14-2	Ms	553258									553257
V $\beta$ 17 <sup>a</sup> TCR	KJ23	Ms	553212									
V $\delta$ 4 TCR	GL2	Ms	552143									
V $\delta$ 6.3/2 TCR	8F4H7B7	Ms			555321							
V $\gamma$ 2 TCR	UC3-10A6	Ms	553226									
V $\gamma$ 3 TCR	536	Ms	553229									



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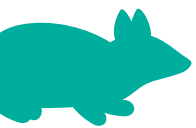
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# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cytokines and Chemokines			Blue Laser (488 nm)						Red Laser (640 nm)		Biotin	
			519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm		668 nm
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
GM-CSF	MP1-22E9	Ms			554406							
IFN-γ	XMG1.2	Ms	<b>562019</b> 554411	557724	562020 554412			560660	<b>561040</b> 557649	<b>562018</b> 554413	557735	554410
IL-1-α	ALF-161	Ms			559810							
IL-2	JES6-5H4	Ms	<b>562040</b> 554427	557725	<b>561061</b> 554428			560544	560538	<b>562041</b> 554429		554426
IL-3	MP2-8F8	Ms			554383							
IL-4	11B11	Ms		557728	<b>562044</b> 554435			560700	560699	<b>562045</b> 554436	557739	
	BVD4-1D11	Ms			554389							
IL-5	TRFK5	Ms <sup>†</sup>			<b>562049</b> 554395					<b>562048</b> 554396		
IL-6	MP5-20F3	Ms		561363	<b>562050</b> 554401					561367		
IL-9	D9302C12	Ms			561463						561464	
IL-10	JES5-16E3	Ms	<b>562037</b> 554466		<b>561060</b> 554467					<b>561059</b> 554468		554465
IL-12 (p40/p70)	C15.6	Ms	560564		<b>562038</b> 554479					554480		
IL-17A	TC11-18H10	Ms		560221 560220	<b>561020</b> 559502			<b>561020</b> 560666			560224 560184	
IL-17F	O79-289	Ms		<b>561658</b> 561631	<b>561656</b> 561627			562194			<b>561657</b> 561630	
MCP-1	2H5	Ms <sup>†</sup>			554443							
TNF	MP6-XT22	Ms	<b>561064</b> 554418	557719	<b>561063</b> 554419			560659	<b>561041</b> 557644	<b>561062</b> 554420	557730	
	TN3-19.12	Ms <sup>†</sup>			559503							



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Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)						Red Laser (640 nm)			
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	668 nm
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD140b (pY771) (PDGF receptor β)	J23-1044	Ms		558424	558426						558425	
CD140b (pY857) (PDGF receptor β)	J24-618	Ms <sup>†</sup>		558427	558429						558428	
CD140b (pY1009) (PDGF receptor β)	J25-650	Ms <sup>†</sup>			558322						558323	
CD140b (pY1021) (PDGF receptor β)	J105-412	Ms <sup>†</sup>		558419	558417						558418	
AKT (pT308)	J1-223.371	Ms <sup>†</sup>			558275							
Bcl-2	3F11	Ms	554221		556537							
Bcl-6	K112-91	Ms <sup>†</sup>		561524	561522			562198			561525	
BLNK (pY84)	J117-1278	Ms <sup>†</sup>		558444	558442						558443	
BLNK (SLP-65, BASH, BCA)	2B11	Ms <sup>†</sup>		558693	558688						558692	
BrdU	3D4		556028		556029		560808	560809				
Caspase-3, Active Form (CPP32)	C92-605	Ms <sup>†</sup>	<b>560901</b> 559341		550821						560626	550557
	Polyclonal	Ms <sup>†</sup>			557091							557038
c-Cbl (pY700)	47/c-Cbl	Ms <sup>†</sup>		558101	558087						558100	
Cyclin B1 (a.a 1-21)	GNS-1	Ms <sup>†</sup>	554108		550783							
eNOS	33/eNOS	Ms <sup>†</sup>			560103						560102	
ERK1/2 (pT202/pY204)	20A	Ms <sup>†</sup>		612592	612566 561991 <sup>†</sup>			560115	560116		612593	
ERK2	G263-7	Ms <sup>†</sup>		558525	558530						558526	
Flk-1 (VEGF-R2, Ly-73)	Avas 12α1	Ms	560680		<b>561052</b> 555308			560681	561259	<b>561993</b> 560070		
Foxp3	MF23	Ms		560407 560403	560414 560408						560402 560401	
GATA4	L97-56	Ms <sup>†</sup>		560330	560328						560400	
Histone H3 (pS28)	HTA28	Ms <sup>†</sup>									558217	
JNK (pT183/pY185)	N9-66	Ms <sup>†</sup>			562480						562481	
Ki-67	B56	Ms <sup>†</sup>	556026		556027			561284	561283		561126	
Lck	MOL 171	Ms <sup>†</sup>		558504	558496						558505	
MAPKAPK-2 (pT334)	P24-694	Ms <sup>†</sup>		562471	562470						562472	
MEK1	25/MEK1	Ms <sup>†</sup>			560099						560101	
Nanog	M55-312	Ms		560278	560277						560279	
Notch1	mN1A	Ms <sup>†</sup>			552768							
Oct3/4	40/Oct-3	Ms <sup>†</sup>		560253	560186						560329	



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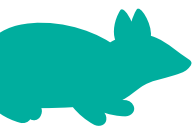
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# BD Multicolor Antibody Reagents Catalog **Mouse** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
<b>p38 MAPK</b> (pT180/pY182)	<b>36/p38</b> (pT180/pY182)	<b>Ms<sup>†</sup></b>		612594	612565 562065 <sup>‡</sup>			560406	560241		612595 562066 <sup>‡</sup>	
<b>p53</b>	<b>G59-12</b>	<b>Ms<sup>†</sup></b>	557026		557027							
<b>PARP, Cleaved Form</b> (Asp 214)	<b>F21-852</b>	<b>Ms<sup>†</sup></b>	558576		552933						558710	
<b>PDX-1</b>	<b>658A5</b>	<b>Ms<sup>†</sup></b>		562274	562161						562265	
<b>Phosphotyrosine</b>	<b>PY20</b>	<b>Ms<sup>†</sup></b>			558008							
<b>PKCα</b> (pT497)	<b>K14-984</b>	<b>Ms<sup>†</sup></b>		560139	560141						560140	
<b>PLC-γ2</b>	<b>K86-1161</b>	<b>Ms<sup>†</sup></b>		560135	560134						560136	
<b>Rb</b> (a.a. 332-344)	<b>G3-245</b>	<b>Ms<sup>†</sup></b>	556538									
<b>Rb, underphosphorylated</b> (a.a. 514-610)	<b>G99-549</b>	<b>Ms<sup>†</sup></b>	550501		550502							
<b>Ronin/THAP11</b>	<b>P56-507</b>	<b>Ms<sup>†</sup></b>			562549							
<b>RORγt</b>	<b>Q31-378</b>	<b>Ms</b>			562607							
<b>S6</b> (pS244)	<b>N5-676</b>	<b>Ms<sup>†</sup></b>			560462						560465	
<b>Smad2</b> (pS465/pS467)/ <b>Smad3</b> (pS423/pS425)	<b>O72-670</b>	<b>Ms<sup>†</sup></b>			562586							
<b>Sox2</b>	<b>245610</b>	<b>Ms<sup>†</sup></b>		560301 560292	560291						560302	
	<b>O38-678</b>	<b>Ms<sup>†</sup></b>						561506				
<b>Stat1</b> (pY701)	<b>4a</b>	<b>Ms<sup>†</sup></b>		612596	612564 562069 <sup>‡</sup>			560113			612597 562070 <sup>‡</sup>	
<b>Stat3</b> (pY705)	<b>4/P-STAT3</b>	<b>Ms<sup>†</sup></b>		557814	612569 562072 <sup>‡</sup>			560114			557815 562071 <sup>‡</sup>	
<b>Stat4</b> (pY693)	<b>38/p-Stat4</b>	<b>Ms<sup>†</sup></b>		558136	558249 562073 <sup>‡</sup>			561217			558137 562074 <sup>‡</sup>	
<b>Stat5</b> (pY694)	<b>47</b>	<b>Ms<sup>†</sup></b>		612598	612567 562077 <sup>‡</sup>			560118	560117		612599 562076 <sup>‡</sup>	
<b>Stat6</b> (pY641)	<b>J71-773.58.11</b>	<b>Ms</b>		558243	558252						558242	
<b>Syk</b> (pY348)	<b>I120-722</b>	<b>Ms<sup>†</sup></b>		560081	558529							
<b>T-Bet</b>	<b>O4-46</b>	<b>Ms<sup>†</sup></b>		561266	561268			561316			561267	
	<b>4B10</b>	<b>Ms<sup>†</sup></b>			561265						561264	
<b>XBP-1S</b>	<b>Q3-695</b>	<b>Ms<sup>†</sup></b>			562642							
<b>Zap-70</b> (pY319)/ <b>Syk</b> (pY352)	<b>17a/P-ZAP70</b>	<b>Ms<sup>†</sup></b>		557818	557881			561459	561458		557817	



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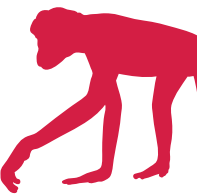
## Contents

	<b>Human</b> Antibody Reagents		<b>Mouse</b> Antibody Reagents		<b>Non-Human Primate</b> Antibody Reagents			
	Surface Markers	5–20		Surface Markers	31–41		Surface Markers	47–50
	Intracellular Cytokines and Chemokines	21–23		Intracellular Cytokines and Chemokines	42		Intracellular Cytokines and Chemokines	51
	Intracellular Cell-Signaling and Transcription Factors	24–29		Intracellular Cell-Signaling and Transcription Factors	43–44		Intracellular Cell-Signaling and Transcription Factors	52

# BD Multicolor Antibody Reagents Catalog

## Non-Human Primate Antibody Reagents

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



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
Annexin V	–	–	<b>560931</b> 566420 556419		<b>560930</b> 556422 556421				561431	<b>561012</b> 550475 550474		556418 556417
CD2	<b>RPA-2.10</b>	NHP	556608		<b>561760</b> <sup>†</sup> 555327	555328			560643	560642		555325
CD3	<b>SP34</b>	NHP	556611		556612							
	<b>SP34-2</b>	NHP		557705	552127		552851	552852	557749	557597		
CD4	<b>L200</b>	NHP	550628		550630		550631	552838	560644	551980		
	<b>M-T477</b>	NHP	556615		556616							
CD6	<b>M-T605</b>	NHP	555357		555358							
CD7	<b>M-T701</b>	NHP	<b>561933</b> <sup>†</sup> 340737* 555360		<b>561934</b> <sup>†</sup> 340581* 555361	555362						
CD8	<b>RPA-T8</b>	NHP	557085	557704	557086	<b>561159</b> <sup>†</sup> 555368		560662	557750	561421	557708	555365
	<b>SK1</b>	NHP										
CD9	<b>M-L13</b>	NHP	341646* 555371		341647* 555372			341649* 561329		341648*		
CD10	<b>HI10a</b>	NHP	340925*		557143	<b>561676</b> <sup>†</sup> 555376			341092*	340923*		
CD11a (LFA-1)	<b>HI111</b>	NHP	555383		550851	551131			561387	550852		
CD11b/Mac-1 (CR3)	<b>ICRF44</b>	NHP		<b>561687</b> <sup>†</sup> 557701	557321	<b>561686</b> <sup>†</sup> 555389			<b>561685</b> <sup>†</sup> 557743	<b>561015</b> 550019		555387
CD11c (ITGAX, CD11C integrin α <sup>x</sup> chain)	<b>S-HCL-3</b>	NHP			347637*					340544*		
CD14	<b>M5E2</b>	NHP	557153	<b>561706</b> <sup>†</sup> 557700	557154			<b>561116</b> 550787	561385	561383		
CD16	<b>3G8</b>	NHP	556618		556619	<b>561725</b> <sup>†</sup> 555408		560717	560716	561248	<b>561724</b> <sup>†</sup> 557710	554405
CD18 (Integrin β2 chain, CR3/CR4)	<b>6.7</b>	NHP	557156		555924	557528				551060		
CD20	<b>2H7</b>	NHP	556632		556633	<b>561761</b> <sup>†</sup> 555624		560736	560735	<b>560900</b> 559776		

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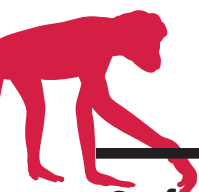
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## BD Multicolor Antibody Reagents Catalog Non-Human Primate Antibody Reagents

Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD21 (CR2)	<b>B-ly4</b>	NHP	561372		<b>561768</b> 555422	551064			561374	561357		
CD25 (IL-2 receptor α chain)	<b>M-A251</b>	NHP	555431		557138	555433		560503	561405	561399		
CD27	<b>M-T271</b>	NHP	557329		557330			560612	560609	561400		
CD28	<b>CD28.2</b>	NHP	556621		556622	<b>561791<sup>†</sup></b> 555730		560685	560684	560683		555727
CD29	<b>MAR4</b>	NHP			557332	559882				<b>561794<sup>†</sup></b> 559883		
CD30 (Ki-1)	<b>BerH8</b>	NHP	555829		550041							555828
CD31 (PECAM-1)	<b>WM59</b>	NHP	557508		<b>560983</b> 555446							
CD32 (FcγRII)	<b>FLI8.26</b>	NHP	555448		550586					559769		
CD34	<b>563</b>	NHP			550619					561209		
CD35 (CR1)	<b>E11</b>	NHP	555452		559872							
CD39 (ENTPD1, NTPDase)	<b>TÜ66</b>	NHP			555464					560239		
CD40	<b>5C3</b>	NHP	556624		558835	555590			561215	<b>561848<sup>†</sup></b> 555591		
CD41a	<b>HIP8</b>	NHP	557296		557297	559768		340931	561424	<b>561852<sup>†</sup></b> 559777		
CD41b	<b>HIP2</b>	NHP	555469									
CD42a	<b>ALMA.16</b>	NHP	558818		558819							
CD45	<b>TÜ116</b>	NHP			557059	557075	557513	552724				
CD45 (Pan leucocyte)	<b>DO58-1283</b>	NHP	557803		552833		558411		561294	561290		
CD45RA	<b>5H9</b>	NHP	556626		556627	552888			561216	561210		
CD47 (IAP)	<b>B6H12</b>	NHP	556045		556046			561261			561249	
CD49b (Integrin α <sub>2</sub> chain)	<b>12F1</b>	NHP			555669							
	<b>AK-7</b>	NHP	555498									
CD49d (Integrin α <sub>4</sub> chain)	<b>9F10</b>	NHP	560840		556635	559880				<b>561892<sup>†</sup></b> 559881		
CD56	<b>MY31</b>	NHP			556647							
	<b>B159</b>	NHP		<b>561905<sup>†</sup></b> 557699	<b>561903<sup>†</sup></b> 555516	<b>561904<sup>†</sup></b> 555517		560842	<b>560916</b> 557747	555518	557711	555515

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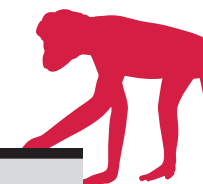
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# BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents



Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD58 (LFA-3)	1C3	NHP	<b>561907</b> <sup>†</sup> 555920		555921	551399						
CD59	p282 (H19)	NHP	<b>560954</b> 555763		557141							
CD61 (Integrin β <sub>3</sub> )	VI-PL2	NHP	557291		<b>561912</b> <sup>†</sup> 555754							
CD62P (P-selectin)	AC1.2	NHP	550866		550561							
CD63	H5C6	NHP	550759		557305							
CD64	10.1	NHP	555527		<b>561926</b> <sup>†</sup> 558592			561194	561191	561189		555526
CD69	FN50	NHP	557049		557050	555532		560738	560712	560711		
CD70	Ki-24	NHP	555834		<b>561935</b> <sup>†</sup> 555835							
CD79a (Ig, mb-1)	HM47	NHP			<b>561942</b> <sup>†</sup> 340579* 555935			341643*		340578* 551134		
CD80 (B7-1)	L307.4	NHP	<b>560926</b> 557226		<b>560295</b> 557227	559370			561135			557225
CD81 (TAPA-1)	JS-81	NHP	<b>561956</b> <sup>†</sup> 551108		<b>561957</b> <sup>†</sup> 555676					<b>561958</b> <sup>†</sup> 551112		
CD83	HB15e	NHP	560553		550634	551058			561132	<b>561960</b> <sup>†</sup> 551073		
CD86 (B7-2)	2331 (FUN-1)	NHP	557343		557344	555659		561129	561128	<b>560956</b> 555660		555656
CD89	A59	NHP			555686							
CD90 (Thy-1)	5E10	NHP	<b>561969</b> <sup>†</sup> 555595		<b>561970</b> <sup>†</sup> 555596	<b>561972</b> <sup>†</sup> 555597		561557	561558	<b>561971</b> <sup>†</sup> 559869		555594
CD95 (Fas/APO-1)	DX2	NHP	556640		556641	<b>561977</b> <sup>†</sup> 559773			561636	<b>561978</b> <sup>†</sup> 558814		555672
CD98	UM7F8	NHP	556076		556077							
CD122 (IL-2 receptor β chain)	Mikβ2	NHP			557323							
CD123 (IL-3 receptor α chain)	7G3	NHP	<b>561694</b> <sup>†</sup> 558663		<b>561058</b> 554529			<b>560904</b> 558714	560826	560087		554528
CD130 (gp130)	AM64	NHP			555757							

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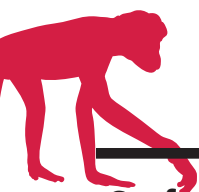
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# BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Surface Markers			Blue Laser (488 nm)							Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
CD132 (common $\gamma$ chain)	AG184	NHP			<b>561699</b> <sup>†</sup> 555900							
CD137 (4-1BB)	4B4-1	NHP			<b>561701</b> <sup>†</sup> 555956	551137				<b>561702</b> <sup>†</sup> 550890		
CD141 (Thrombomodulin)	1A4	NHP			559781							
CD150	A12	NHP			559592							
CD151 (PETA-3)	14A2.H1	NHP			556057							
CD152 (CTLA-4)	BNI3	NHP			557301					<b>560938</b> 555855		
CD154 (CD40 ligand)	TRAP1	NHP	558988		557299	<b>561722</b> <sup>†</sup> 555701				<b>560955</b> 555702		
CD162 (PSGL-1)	KPL-1	NHP			556055							
CD166	3A6	NHP			<b>560903</b> 559263			562131				
CD183 (CXCR3)	1C6/CXCR3	NHP		<b>561730</b> <sup>†</sup> 558047	550633	<b>561731</b> <sup>†</sup> 551128		560832	560831	561324		
CD184 (CXCR4, fusin)	12G5	NHP			557145	<b>560937</b> 555975		560670	560669	<b>560936</b> 555976		
CD195 (CCR5)	3A9	NHP			550632			560635		560748		
CD196 (CCR6)	11A9	NHP			551773			560621	560620	560619	<b>561751</b> <sup>†</sup> 560466	
HLA-A,B,C	G46-2.6	NHP	557348		557349	555554			561349	555555		
HLA-DQ	TÜ169	NHP	555563									
HLA-DR	TÜ36	NHP	555560		555561	551375				559868		
	L243 (G46-6)	NHP	<b>560944</b> 555811		<b>560943</b> 555812	<b>562007</b> <sup>†</sup> 555813	347364*	560652	560651	560744		
HLA-DR, DP, DQ	TÜ39	NHP	550853									
Streptavidin	–	–	554060		554061 349023*	554062	554064 340130*	551419	557598	554067 349024*		

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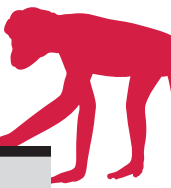
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Intracellular Cytokines and Chemokines			Blue Laser (488 nm)						Red Laser (640 nm)		Biotin
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647
IFN-γ	<b>4S.B3</b>	NHP	552882		557074			560742	560741	551385	
	<b>B27</b>	NHP	552887		<b>562016</b> <sup>†</sup> 554701 559327		560704		<b>560924</b> 557643	<b>562017</b> <sup>†</sup> 554702	557729
IL-2	<b>MQ1-17H12</b>	NHP	559361		560709			560708	560707	551383	
IL-4	<b>8D4-8</b>	NHP		557990	551774			561234	560672	561233	
IL-6	<b>MQ2-6A3</b>	NHP	554544		551473						
MCP-1 (monocyte chemoattractant protein 1)	<b>5D3-F7</b>	NHP			557066						
MIP-1α (macrophage inflammatory protein-1α)	<b>11A3</b>	NHP			554730					551533	
TNF	<b>MAB11</b>	NHP	<b>562082</b> <sup>†</sup> 554512	557722	<b>562083</b> <sup>†</sup> 554513 559321			560679	<b>560923</b> 557647	551384	

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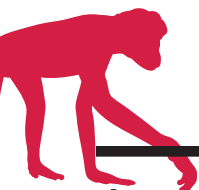
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## BD Multicolor Antibody Reagents Catalog **Non-Human Primate** Antibody Reagents

Intracellular Cell-Signaling and Transcription Factors			Blue Laser (488 nm)							Red Laser (640 nm)		
			Emission Max	519 nm	519 nm	578 nm	667 nm	678 nm	695 nm	785 nm	660 nm	
Product Name	Clone	Reactivity	FITC	Alexa Fluor® 488	PE	PE-Cy5	PerCP	PerCP-Cy5.5	PE-Cy7	APC	Alexa Fluor® 647	Biotin
<b>FoxP3</b> (Scurfin, IPEX, JM2)	<b>259D/C7</b>	<b>NHP</b>	560047		<b>560082</b> 560046						560045	
<b>p53</b>	<b>DO-7</b>	<b>NHP</b>	554298		556534							
<b>Rb</b> (a.a. 332-344)	<b>G3-245</b>	<b>NHP</b>	556538									

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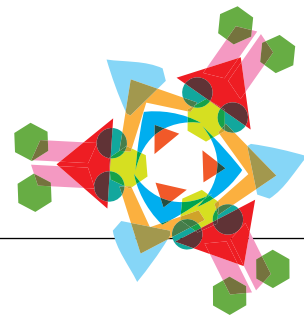
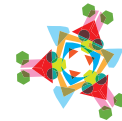
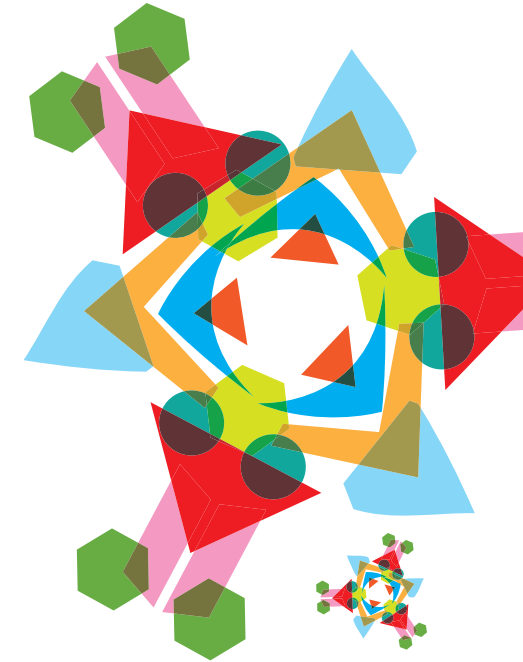
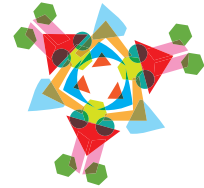
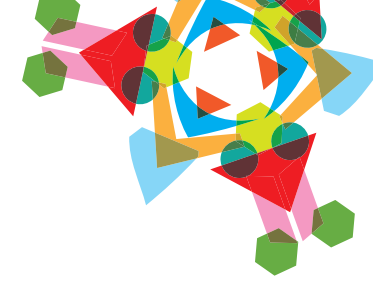
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APC-Cy7: US patent 5,714,386

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