Many cell-surface antigens are sensitive to fixation/permeabilization procedures, resulting in loss of recognition by their respective antibodies. For your information, BD Biosciences has tested many antibodies conjugated to various fluorochromes under several fixation/permeabilization conditions, and the results are summarized

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buffer recommended for PBMCs or cell lines:		BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	
	Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:			BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
		APC	+	+	+	+
		APC-Cy™7	+	+	_	+
		FITC	+	+	+	+
	SK7	PE	+	+	+	+
		PE-Cy™7	+	+	+	+
		PerCP	+	+	+/-	_
		PerCP-Cy™5.5	+	+	+	+
		Alexa Fluor® 488	+	+	+	+
		Alexa Fluor® 647	+	+	+	+
		Alexa Fluor® 700		+	+/-	_
		APC	+	+	+	+
Human CD3	UCHT1	FITC	+	+	+	+
		BD Horizon™ V450			+	+
		Pacific Blue™		+	+	+
		PE CUIME	+	+	+	+
		PE-Cy™5	+	+	+	+
		PE-Cy7	+	+	+	+
		APC FITC	+	<u> </u>	-	+/-
	HIT3a	PE	+			_
		PE-Cy5	+	_		
		PE-Cy7	+		_	+/-
	SP34	PerCP	+	+	+	_
		FITC	+	+	+	
		PE	+	+	+	_
	L200	PE-Cy7	+	+	+	_
		PerCP	+	+	+	_
		PerCP-Cy5.5	+	+	+	
		Alexa Fluor® 488	+	+	+	_
		Alexa Fluor® 647	+	+	+	_
		Alexa Fluor® 700	+		_	_
		APC	+	+	+	+
	DDA TA	APC-Cy7	+	_	-	_
	RPA-T4	FITC	+	+	+	_
Human CD4		Pacific Blue™	+	+	+	_
numan CD4		PE	+	+	+	+
		PE-Cy5	+		+	_
		PE-Cy7	+	+	+	-
		AmCyan	-	-	-	-
		APC	+	+	+	+
		APC-Cy7	+/-	=	=	=
	SK3	FITC	+	+	+	+
		PE	+	+	+	+
		PE-Cy7	+	+	+	
		PerCP	+	+	+	_
	1426	PerCP-Cy5.5	+	+	+	+
	L120	PE	-	-	-	-
Human CD5	UCHT2	PE	+	+	+	
		APC	+	+/-	_	

⁺ Good resolution between positive and negative peaks- Recommended
- Poor resolution between positive and negative peaks - Not Recommeded
+/- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buffer recommended for PBMCs or cell lines:		BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	
		ood, splenocytes, bone ontaining erythrocytes:	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
		APC-Cy7	+	+	_	+
		FITC	+	+	+	+
	HIT8a	PE	+	+	+	+
		PE-Cy5	+		+	+
		Alexa Fluor® 488	+	+	+	+
		Alexa Fluor® 647	+	+	+	+
		Alexa Fluor® 700		+		
		APC	+	+	+	+
		APC-Cy7		+		
	RPA-T8	FITC	+	+	+	+
		Pacific Blue™		+	+	
Human CD0		PE	+	+	+	+
Human CD8		PE-Cy5	+		+	
		PE-Cy5	+	+	+	+
		PE-Cy7	+	+	-	+
	SK1	APC	+	+	+	+
		APC-Cy7	+/-		-	-
		APC-H7	+		-	_
		FITC	+	+	+	+/-
		PE	+	+	+	
		PE-Cy7	+		-	_
		PerCP	+/-	+/-	-	_
		PerCP-Cy5.5	+	+	+	
	2ST8.5H7	PE	+	-	-	_
	G43-25B	PE	+	+/-	-	
Human CD11a/LFA-1	Hi111	APC	+	-	-	
		PE	+	+/-	_	
		Alexa Fluor® 488	+	_	_	_
		APC	+	_	_	_
		APC-Cy7	-	-	-	-
Human CD11b	ICRF44	FITC	-	-	-	-
		PE	+	+/-	+/-	-
		PE-Cy5	+		-	-
		PE-Cy7	+	-	-	-
Human CD11c	BLy6	APC	+	+/-	+/-	
		PE	+	+/-	+/-	
Human CD13	WM-15	PE		+/-	+/-	
		Alexa Fluor® 488	+	+/-	=	+
		Alexa Fluor® 700				
		APC	+	+/-	_	+
	M5E2	FITC	+	+/-	-	-
		PE	+	+/-	-	+
Human CD14		PE-Cy7	+	_	-	+
		PerCP-Cy5.5	+		-	+
		PE	+	-	_	
	МОР9	APC	+	-	-	-
		PerCP	+	-	_	
	1	APC-Cy7	+	_	_	_
Human CD15	W6D3	PE		+	+	
· · · · ·	HI98	PE		+	+	

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- Poor resolution between positive and negative peaks - Not Recommeded
+/- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buffer recommended for PBMCs or cell lines: Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:		BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	
		BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
		Alexa Fluor® 647			-	-
		Alexa Fluor® 700			-	-
		APC-Cy7			_	-
	3G8	FITC	+/-	+/-	-	=
Human CD16		Pacific Blue™ PE	+	+/-	-	
		PE-Cy7	+	-	_	_
	B73.1	PE [†]	+	+	+	+
	NKP15	FITC		-	-	-
	G022	Purified	-	-	-	-
Human CD18	6.7	APC	+	+	+	
22.10		PE N. S. 100	+	+	+	
		Alexa Fluor® 488 Alexa Fluor® 700	-			=
		APC APC	+	+/-		-
	HIB19	FITC	+	+/-	_	_
		PE	+	+/-	_	-
		PE-Cy7	-	-	-	-
	SJ25C1	AmCyan	-		-	-
		APC	+/-	+/-	-	-
Human CD19		APC-Cy7			-	-
		APC-H7 FITC	=		-	_ _
		PE	+	+/-	+/-	+/-
		PE-Cy7	+/-	_	_	-
		PerCP	-		-	-
		PerCP-Cy5.5	-		-	-
		FITC	+/-		-	-
	4G7	PE	-	-	-	-
		PerCP APC	-	<u>-</u>	<u> </u>	_
		FITC	+/-	_		
	2H7	PE	+	_	_	-
		PE-Cy5				_
		APC	+			-
Human CD20		APC-Cy7	-	-	-	-
		FITC	-	_	-	-
	L27	PE C 7	+	-	-	-
		PE-Cy7 PerCP	+	-	-	<u>-</u>
		PerCP-Cy5.5	-	_	<u>-</u>	_
		Alexa Fluor® 488	+	+	+	+
Human CD20 (I/C)	H1 (FB1)	Alexa Fluor® 647	+	+	+	+
		PerCP-Cy5.5	+	+	+	+
Human CD23	M-L233	PE	+	+/-	-	
		Alexa Fluor® 647	+	+	+	+
	M 4351	APC	+	+	-	-
	M-A251	FITC PE	+	+ +	+ +	+
Human CD25		PE-Cy7	+	+	<u>+</u>	_
		PE	+	+	+	+
	242	APC	+	+	+	+
	2A3	FITC	+	+	+	+
		PE-Cy7	+	-	-	-

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+/- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buff	Fix buffer recommended for PBMCs or cell lines:			BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)
	Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:			BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
		APC	+	+	+	
Human CD27	L128	FITC	+	+	+	
	M-T271	PE PE	+	+	+	+
	IVI-1271	APC		_	_	_
Human CD28	CD28.2	FITC		_	_	
		PE		-	-	
Human CD31	WM59	PE	+	+/-	+/-	
	WM53	PE	+	+/-	+/-	
		APC				+
Human CD33	p67.6	FITC PE	+	+	+	+
	ρο7.0	PE-Cy7	тт	т	т	
		PerCP-Cy5.5				-
		APC	+		+	+/-
		FITC	+		+	+/-
	8G12	PE	+	+	+	+
		PE-Cy7	+		+/-	-
Human CD34		PerCP PerCP-Cy5.5	+	+	+	<u>-</u>
		APC	+	+/-	+	+/-
	581	FITC	+	+	+	+/-
		PE	+	+	+	+
	563	PE	+	+	+	+
	HB7	FITC	-	-	-	
Human CD38		PE	-	-	_	
	HIT2	APC PE	-	_	_	
		APC	-	-	_	
Human CD40	5C3	FITC		-	-	
		PE	-	-	-	
	515	PE		+	+	
Human CD44	G44-26	APC	+	+	+	+
		PE Am Cuan		+	+	
		AmCyan APC			+ +	+ +
		APC-Cy7	+		+	+
	2D1	APC-H7	+		+	+
		FITC			+	+
		PerCP			+	+
Human CD45		PerCP-Cy5.5			+	+
		APC	+		+	+
		FITC	+		+	+
	HI30	BD Horizon V450 PE	+	+	+ +	+ +
		PE-Cy5	+	т	+	T
		PE-Cy7	+		+	+
	EHO	FITC	+	+	+	+
	5H9	PE	+	+	+	
	L48	FITC	+		+	+
Human CD45RA		APC	+	+	+	+
	111100	FITC	+	+	+	+
	HI100	BD Horizon V450 PE	+		+	+
		PE-Cy5	+	+	+ +	+ +
		i E-CyJ	т-		т т	-

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+/- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buffer recommended for PBMCs or cell lines:			BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)
		ood, splenocytes, bone ontaining erythrocytes:	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
		APC	-		-	_
Human CD45RO	UCHL1	FITC	+	+	+	+
Human CD45KU	UCHLI	PE	+	+	+	+
		PE-Cy5	+		+	+
Human CD54	HA58	PE	+/-	+/-	+/-	
		Alexa Fluor® 488	-			
	D450	Alexa Fluor® 647	-			
	B159	APC	=			
		PE Cv7	-	<u>-</u>	-	_
Human CD56	MY31	PE-Cy7	+/-	+/-	_	_
	ICTIVI	APC	+/-	+/-		
		FITC			_	_
	NCAM16.2	PE	_	_	_	_
		PE-Cy7			_	_
Human CD62L	DREG56	PE	-	-	-	-
II CDC0	ENEO	APC	-	-	-	-
Human CD69	FN50	PE	+/-	-	-	-
Human CD79a (I/C)	HM47	APC	+	+	+	
		PE	+	+	+	
Human CD80	L307.4	PE		+	+	
Human CD83	HB15e	APC	+			
		PE	+	+/-	+/-	
	2331	APC	+			
Human CD86	IT2 2	PE	+	+	+	
	IT2.2	PE APC	+	+	+	
Human CD94	HP-3D9	FITC	+	+ +	+	
Human CD34		PE	+	+	+	
		APC		_		_
		FITC	-	_	_	_
Human CD95	DX2	PE	_	-	_	-
		PE-Cy5	-	-	-	-
		APC	-	-	-	-
Human CD117	YB5.B8	PE	+	+	+	+
		PerCP-Cy5.5	-	-	-	-
Human CD123	7G3	PerCP-Cy5.5	-		-	+
Human CD127	hIL-7R-M21	PE	-		-	-
Human CD138	Mi15	PE	+	+	+	
		APC	+/-	-	=	<u> </u>
Human CD161	DX12	FITC PE	-	<u> </u>	<u>-</u>	
		PerCP-Cy5.5	-		-	-
	+	APC	-	<u> </u>	<u>-</u>	-
		FITC	_	_		
	2D7	PE		_	_	
Human CD195		PE-Cy7	+/-	_	-	
		APC	.,	_	-	
	3A9	PE	-	_	_	
DC-SIGN	DCN46	PE	+	+	+	

⁺ Good resolution between positive and negative peaks- Recommended
- Poor resolution between positive and negative peaks - Not Recommeded
+/- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buffer recommended for PBMCs or cell lines:			BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)
Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:			BD™ Phosflow Lyse/Fix Buffer (558049)			
Perm Buffer:		BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)	
Specificity	Clone	Fluorochrome				
		APC	+	+	+	
	646.6	FITC	+	+	+/-	
	G46-6	PE	+	+	+	
		APC	+	+	+	
HLA-DR	Tu36	APC	+			
TLA-DK	1030	PE	+	+/-	_	
		APC				+
	L243	APC-Cy7				+
	1243	PE				+
		PerCP-Cy5.5				+
lgD	IA6-2	PE	_	_	-	
IgM	G20-127	PE	+	+/-	+/-	

⁺ Good resolution between positive and negative peaks- Recommended
- Poor resolution between positive and negative peaks - Not Recommeded
+/- Donor dependent. The positive and negative peaks are not separated well for some donors

Antibodies to Mouse Cell-Surface Markers Tested for BD Phosflow Protocols

Many cell-surface antigens are sensitive to fixation/permeabilization procedures, resulting in loss of recognition by their respective antibodies. For your information, BD Biosciences has tested many antibodies conjugated to various fluorochromes under several fixation/permeabilization conditions, and the results are summarized

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix b	Fix buffer recommended for PBMCs or cell lines:			BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)
	Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:		BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
•		Alexa Fluor® 488		+	_	_
		APC	+		_	+/-
		APC-Cy7			_	_
	145-2C11	PE	+	+	_	+
		PE-Cy5			_	+/-
		PerCP		+/-	_	_
		PerCP-Cy5.5		+/-	_	+/-
		Alexa Fluor® 700			_	+/-
Mausa CD3	500A2	Pacific Blue™			_	+
Mouse CD3		PE		+	+	
		Alexa Fluor® 647	+	+	+	+
		Alexa Fluor® 700			_	+/-
		APC			+	+
	17A2	FITC	+	+	+	+
	17AZ	Pacific Blue™			_	+/-
		PE		+	+/-	+
		PE-Cy5			+/-	+
		PerCP-cy5.5			_	+
		APC-Cy7			_	_
	GK1.5	FITC		+	+	_
		PE	+	+	+	_
		Alexa Fluor® 488		+	+	_
		Alexa Fluor® 647		+	+	_
		Alexa Fluor® 700			+	_
		APC			+	_
		FITC		+	-	_
Mouse CD4	RM4-5	Pacific Blue™			+	_
		PE		+	+	_
		PE-Cy5			+	_
		PE-Cy7			+	_
		PerCP		+	_	_
		PerCP-Cy5.5		+	+	_
		FITC			+	-
	H129.19	PE PE PE			+/-	-
		PE-Cy5			_	-
		Alexa Fluor® 488		+	+	_
		Alexa Fluor® 647		+	+	-
		APC	+		+	_
		APC-Cy7			_	_
	53-6.7	FITC		-	_	_
M CD2		Pacific Blue™			+	_
Mouse CD8		PE C.F	+	+	+	_
		PE-Cy5			_	_
		PerCP		+	_	_
	1125 47.2	PerCP-Cy5.5		+	_	-
	H35-17.2	PE			_	-
	53-5.8	FITC			_	_
		PE			_	_

⁺ Good resolution between positive and negative peaks- Recommended - Poor resolution between positive and negative peaks - Not Recommeded

⁺I- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I Detergent method	Protocol II Mild alcohol method	Protocol III Harsh alcohol method	Protocol IV Detergent method
Fix buffer recommended for PBMCs or cell lines:			BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)
	Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:			BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)	BD™ Phosflow Lyse/Fix Buffer (558049)
		Perm Buffer:	BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)
Specificity	Clone	Fluorochrome				
		Alexa Fluor® 488		+	+	+
		Alexa Fluor® 647			+	+
		Alexa Fluor® 700			+	+
Mouse CD11b	M1/70	APC		,	+	_
		FITC PE	+	+/-	+/-	+
		PE-Cy7	<u> </u>	T	+	+ +
		PerCP-Cy5.5		+	+	+
		Alexa Fluor® 647			+	+
		APC			+	+
Mouse CD11c	HL3	FITC			+	+
		PE	+	+	+	+
		PE-Cy7			-	-
Mouse CD19	1D3	PE		-		
	111	PerCP-Cy5.5		-	-	
Mouse CD21/35	7G6	FITC	. 1	_	<u>-</u> -	
		PE FITC	+/-			
Mouse CD23	B3B4	PE	+/-	_		
		FITC	+	_	_	
Mouse CD24	M1/69	PE	+	_	_	
	7D4 3C7	APC			-	_
		FITC		+	+	+
		PE			+	+
		FITC			-	-
Mouse CD25	PC61	PE		+	+	
		APC C:-7			-	-
		APC-Cy7 PE			<u>-</u>	
	1 CO1	PE-Cy7				
		PerCP-Cy5.5			_	_
Mouse CD27	LG.3A10	PE			+	+
Mouse CD28	37.51	PE		-	-	
Mouse CD43	S7	PE	+		+	
		APC		+	+	
Mouse CD44	IM7	FITC		+	+	
		PE		+	+	
Mouse CD45	30F11	PE PorCP CyE E		+	+	
Mouse CD45	14.8	PerCP-Cy5.5 PE	+		+	+
	14.0	Alexa Fluor® 488	+	+	+	+
		Alexa Fluor® 647	+	+	+	+
		Alexa Fluor® 700			+	-
		APC	+	+	+	+
		APC-Cy7		-	-	-
		FITC	+	+	+	+
Mouse CD45R/B220	RA3-6B2	Pacific Blue™	+	+	+	+
		PE PE C F	+	+	+	+
		PE-Cy5	+	+	+	+
		PE-Cy7	+	+	+	+
		PE-Texas Red® PerCP	+	+ +	+	+
		PerCP-Cy5.5	+	+	+	+
		FITC	'		_	_
Mouse CD49b	DX5	PE			+	+
		, · -			· ·	· ·

⁺ Good resolution between positive and negative peaks- Recommended
- Poor resolution between positive and negative peaks - Not Recommeded
+/- Donor dependent. The positive and negative peaks are not separated well for some donors

			Protocol I	Protocol II	Protocol III	Protocol IV
			Detergent method	Mild alcohol method	Harsh alcohol method	Detergent method
Fix buffer recommended for PBMCs or cell lines:			BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)	BD Cytofix™ Buffer (554655)
Fix buffer recommended for whole blood, splenocytes, bone marrows, and other sample types containing erythrocytes:			BD™ Phosflow Lyse/Fix Buffer (558049)			
Perm Buffer:		BD™ Phosflow Perm/Wash Buffer I (557885)	BD™ Phosflow Perm Buffer II (558052)	BD™ Phosflow Perm Buffer III (558050)	BD™ Phosflow Perm Buffer IV (560746)	
Specificity	Clone	Fluorochrome				
Mouse CD69	H1.2F3	FITC		_	_	
Monse CD03	HI.2F3	PE		_	_	
Mouse GR-1	Mouse GR-1 RB6-8C5	FITC		+	+	
Modse dit-1		PE	+	+	+	
Mouse I-A/I-E	2G9	PE		+	+	
		FITC		+	+	
Mouse IgD	11-26.c2a	FITC	+		_	
	II/41	APC	+			
Mouse IgM		FITC	+		-	
	R6-60.2	PerCP-Cy5.5	+		_	
Mouse Ly6C	AL-21	FITC	+	_	_	
Mouse I-A(b)	AF6-120.1	FITC	+/-	_	-	
	7.10 12011	PE	+	_	_	
		APC			_	+
		FITC	_	_	_	_
Mouse NK1.1	PK136	PE	+	_	_	+
		PE-Cy7			_	-
		PerCP-Cy5.5			_	_
		APC	+	+	+	+
Mouse TCR	H57-597	FITC		+	+	-
		PE	+	+	+	+

⁺ Good resolution between positive and negative peaks- Recommended
- Poor resolution between positive and negative peaks - Not Recommeded
+/- Donor dependent. The positive and negative peaks are not separated well for some donors

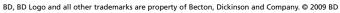
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APC-Cy7: US patent 5,714,386

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