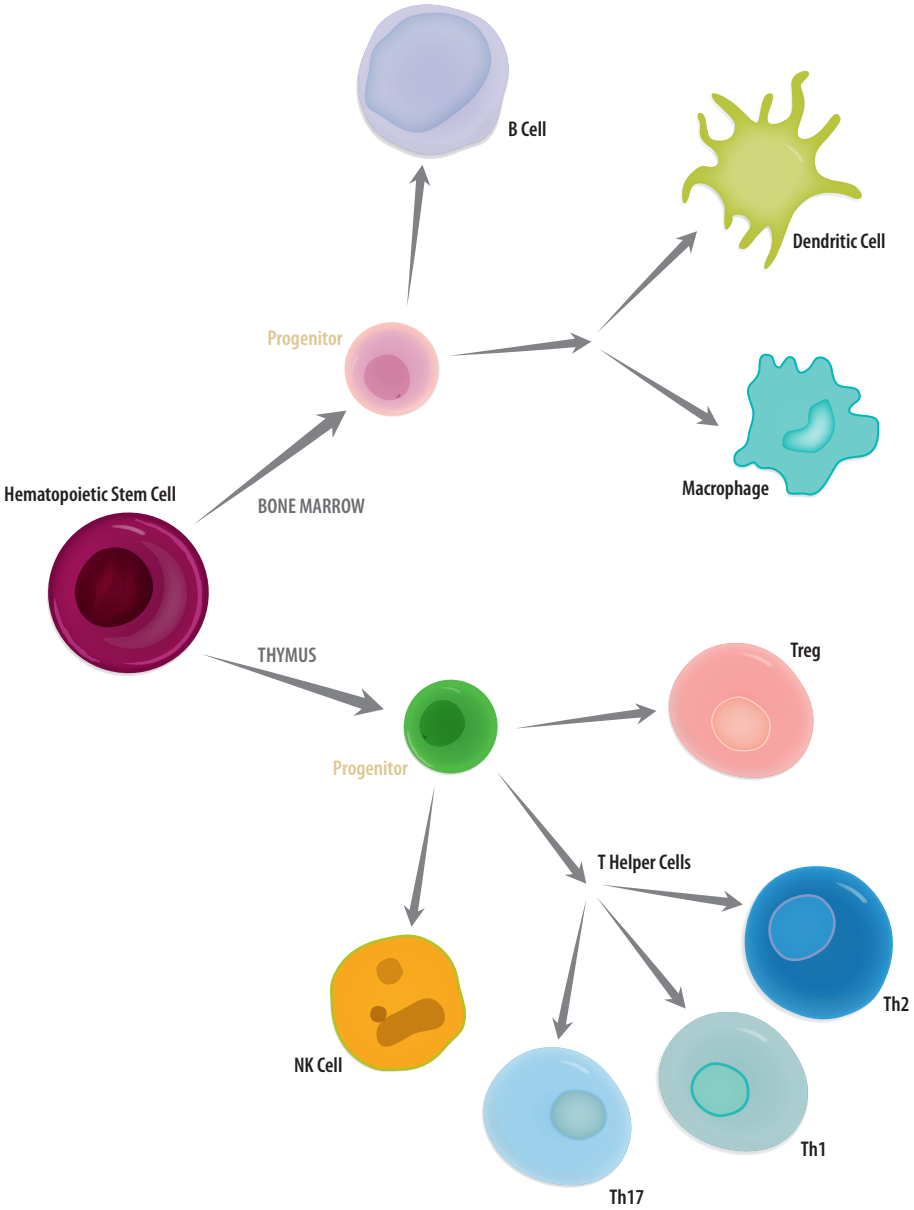
Products for Flow Cytometry

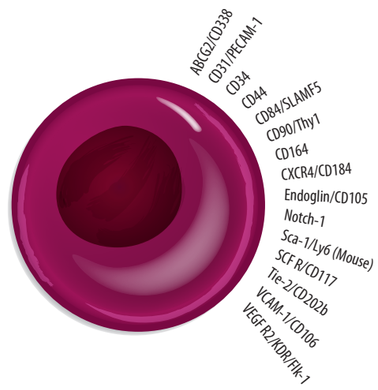


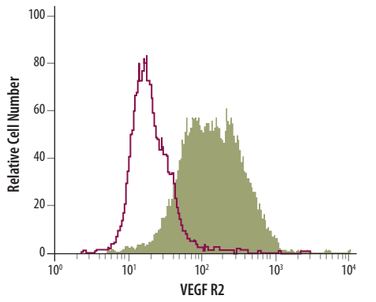
R&D Systems Products for Flow Cytometry

R&D Systems specializes in providing the highest quality reagents for monitoring immune cell functions. These include a wide selection of tools to study cytokines, chemokines, co-stimulation, hematopoiesis, and apoptosis. Choose from an array of antibodies, active proteins, cell markers, ELISAs, multiplex assays, cell selection kits, flow cytometry kits, and more.

Flow cytometry facilitates quantitative, multiparameter analysis of cell populations based on the expression of cell surface and/or intracellular molecules. R&D Systems offers a wide range of biotin-, carboxyfluorescein (CFS)-, phycoerythrin (PE)-, allophycocyanin (APC)-, and peridinin-chlorophyll protein complex (PerCP)-conjugated antibodies specifically designed to detect the expression of immunological molecules. We also offer kits designed to facilitate flow cytometry experiments including Fluorokine® Receptor Detection kits where labeled cytokines can be used to monitor the presence of cytokine receptors, and Multi-Color Flow Cytometry Kits for single step detection of up to four cell specific markers.

Hematopoietic Stem Cell

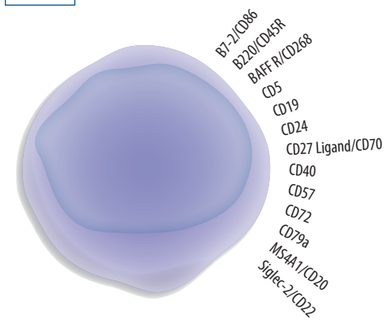




HUVEC human umbilical vein endothelial cells were stained with PE-conjugated anti-human VEGF R2/KDR/Flk-1 (Catalog # FAB357P, filled histogram) or PE-conjugated mouse IgG_1 isotype control (Catalog # IC002P, open histogram).

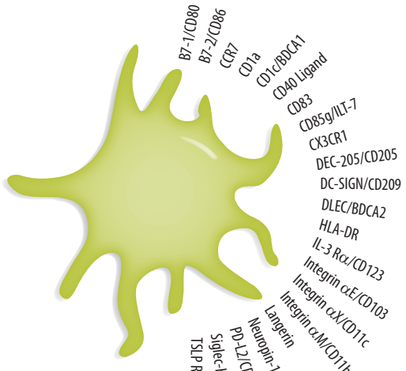
		CATALOG #'s					
PRODUCT NAME	SPECIES	APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
ABCG2	Human	FAB995A		FAB995P		BAM995	MAB995
CD31/PECAM-1	Human	FAB3567A	FAB3567F	FAB3567P		FAB3567B BAM3567	BBA7
	Mouse					BAF3628	AF3628
	Porcine						MAB33871
CD34	Canine	FAB3346A	FAB3346F	FAB3346P			MAB3346
CD44	Human	FAB4948A		FAB4948P			BBA10
	Canine						MAB5449
CD44, Variant 3	Human	FAB5088A		FAB5088P			BBA11
CD44, variant 4/5	Human			FAB5399P			BBA25
CD44, Variant 6	Human	FAB3660A	FAB3660F	FAB3660P			BBA13
CD84/SLAMF5	Human		FAB1855F			BAF1855	AF1855
CD90/Thy1	Human	FAB2067A		FAB2067P			MAB2067
CXCR4	Human	FAB170A FAB173A	FAB170F	FAB170P FAB173P	FAB170C	FAB170B FAB171B FAB172B FAB173B	MAB173
	Mouse	FAB21651A	FAB21651F	FAB21651P			MAB21651
	Feline						MAB4287
CXCR4, Antibody Sampler	Human					FABSP2B	FABSP2
Endoglin/CD105	Human	FAB10971A	FAB10971F	FAB10971P	FAB10971C	BAM10971	AF1097 MAB10971
	Mouse	FAB1320A	FAB1320F	FAB1320P		BAF1320	AF1320 MAB1320
Notch-1, Intracellular Domain	Human						AF3647
Notch-1	Rat						AF1057
Sca-1/Ly6	Mouse			FAB1226P		BAM1226	AF1226 MAB1226
SCF R/c-kit/CD117	Human	FAB332A		FAB332P		BAF332	AF332 MAB332
	Mouse			FAB1356P		BAF1356 BAM1356	AF1356 MAB1356
Tie-2	Human	FAB3131A		FAB3131P			MAB3131
Tie-2, phospho Tyr992	Human Mouse						AF2720
VCAM-1	Human		BBA22				
	Mouse						AF643
VEGF R2/KDR/Flk-1	Human	FAB357A	FAB357F	FAB357P	FAB357C		MAB3572
	Mouse	FAB4432A		FAB4432P		BAF644	AF644 MAB4432
VEGF R2/KDR/Flk-1, phospho Tyr1214	Human						AF1766

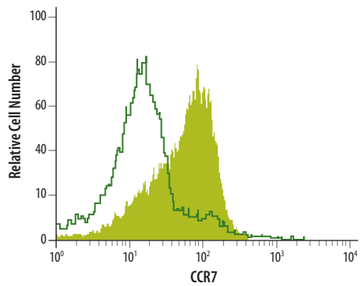
B Cell



PRODUCT NAME	SPECIES	CATALOG #'s APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
B7-2/CD86	Human		FAB141F	FAB141P			AF-141-NA MAB141
	Mouse						MAB741
	Rat						AF1340
B220/CD45R	Mouse	FAB1217A	FAB1217F	FAB1217P		BAM1217	MAB1217
BAFF R/CD268	Human						AF1162
	Mouse		FAB1755F				MAB1755
CD5	Human			FAB1636P			AF1636 MAB1636
	Mouse		FAB115F	FAB115P		BAM115	MAB115
CD19	Human	FAB4867A	FAB4867F	FAB4867P	FAB4867C		MAB4867
CD40/TNFRSF5	Human	FAB6321A		FAB6321P			MAB6321
	Mouse			FAB4401P		BAM440	MAB440 MAB4401
MS4A1/CD20	Human	FAB4225A	FAB4225F	FAB4225P			MAB4225
Siglec-2/CD22	Human		FAB1968F	FAB1968P			MAB1968
	Mouse	FAB2296A	FAB2296F	FAB2296P			MAB2296

Dendritic Cell

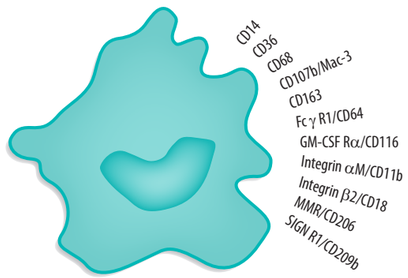




CD4+ mouse splenocytes were stained with APC-conjugated anti-mouse CCR7 (Catalog # FAB3477A, filled histogram) or APC-conjugated rat IgG_1 isotype control (Catalog # IC005A, open histogram).

MOLECULE	SPECIES	CATALOG #'s APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
B7-1/CD80	Human		FAB140F	FAB140P			MAB140
B7-2/CD86	Human		FAB141F	FAB141P			AF-141-NA MAB141
	Mouse						MAB741
	Rat						AF1340
CCR7	Human	FAB197A	FAB197F	FAB197P	FAB197C		MAB197
	Mouse	FAB3477A	FAB3477F	FAB3477P			MAB3477
CD40 Ligand/TNFSF5	Human	FAB617A	FAB617F	FAB617P		BAF617	AF617 MAB617
	Mouse	FAB1163A	FAB1163F	FAB1163P			MAB1163
CD83	Human	FAB1774A	FAB1774F	FAB1774P			MAB1774
	Mouse						AF1437
CD83, aa 20-143	Human					BAF2044	AF2044
DC-SIGN/CD209	Human	FAB161A	FAB161F	FAB161P			MAB161
DC-SIGN+DC-SIGNR Cross-reactive	Human		FAB1621F	FAB1621P			MAB1621 MAB16211
DLEC/BDCA2	Human	FAB1376A	FAB1376F				AF1376
HLA-DR	Human		FAB4869F	FAB4869P			MAB4869
IL-3 Rα	Human			FAB301P			MAB301
	Mouse			FAB983P			MAB983
Integrin αE/CD103	Mouse	FAB1990A		FAB1990P		BAF1990	AF1990
Integrin αM/CD11b	Human	FAB1699A		FAB1699P		BAM1699	AF1699 MAB1699 MAB16881
	Mouse	FAB1124A	FAB1124F	FAB1124P		BAM1124	MAB1124
Integrin αX/CD11c	Human Mouse		FAB1777F	FAB1777P			MAB1777
Langerin	Human			IC2088P			MAB2088
Neuropilin-1/BDCA4	Human	FAB3870A	FAB3870F	FAB3870P			AF3870 MAB3870
	Rat						AF566
PD-L2/CD273	Human	FAB1224A		FAB1224P			MAB1224
	Mouse		FAB1022F	FAB1022P			AF1022 MAB1022
TSLP R	Mouse		FAB5461F	FAB5461P			AF546

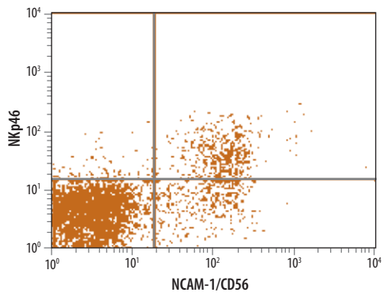
Macrophage

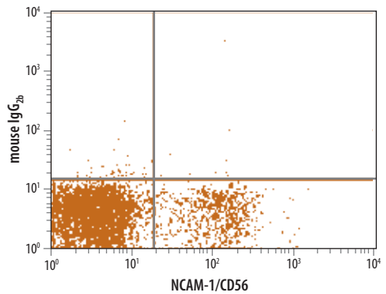


PRODUCT NAME	SPECIES	CATALOG #'s APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
CD14	Human			FAB3832P			MAB3832
	Mouse						MAB982
	Porcine						MAB4597
CD36/SR-B3	Human	FAB19551A	FAB19551F	FAB19551P			MAB19551
	Mouse						AF2519
CD68	Human	IC20401A	IC20401F	IC20401P			MAB20401
CD163	Human	FAB1607A		FAB1607P			MAB1607
FcγRI/CD64	Human	FAB12571A	FAB12571F	FAB1257P FAB12571P			MAB1257 MAB12571
	Mouse	FAB20741A		FAB20741P			MAB20741
GM-CSF Rα	Human	FAB706A		FAB706P		BAF706	AF706 MAB706
Integrin αM/CD11b	Human	FAB16991A		FAB16991P		BAM1699	AF1699 MAB1699 MAB16991
	Mouse	FAB1124A	FAB1124F	FAB1124P		BAM1124	MAB1124
Integrin β2/CD18	Human		FAB1730F	FAB1730P		BAF1730	AF1730 MAB1730
	Mouse						AF2618
MMR	Mouse						AF2535

NK Cell

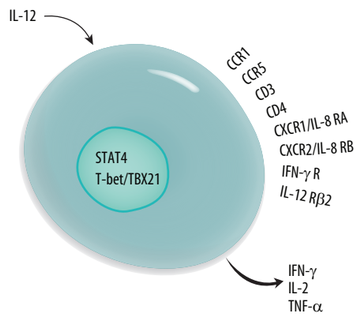
PRODUCT NAME	SPECIES	CATALOG #'s APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
CD94/NKG2	Human		FAB1058F	FAB1058P			MAB1058
Integrin α2/CD49d	Human			FAB1233P		BAM1233	MAB1233 MAB12332
	Mouse	FAB1740A		FAB1740P		BAF1740	AF1740 MAB1740
KIR3DL1/CD158e1	Human	FAB1225A FAB12251A	FAB12251F	FAB1225P FAB12251P			MAB1225 MAB12251
NCAM-1/CD56	Human	FAB2408A		FAB2408P			AF2408 MAB2408 MAB24081
NKG2D	Human	FAB139A		FAB139P	FAB139C		MAB139
	Mouse	FAB1547A	FAB1547F	FAB1547P			MAB1547
NKp30/CD337	Human			FAB1849P			MAB1849
NKp44/CD336	Human	FAB22491A		FAB22491P			MAB22491
NKp46/NCR1/CD335	Human	FAB1850A	FAB1850F	FAB1850P			MAB1850
	Mouse		FAB2225F	FAB2225P			AF2225
NTB-A/SLAMF6	Human	FAB19081A	FAB19081F	FAB19081P			MAB19081
	Mouse						AF3986

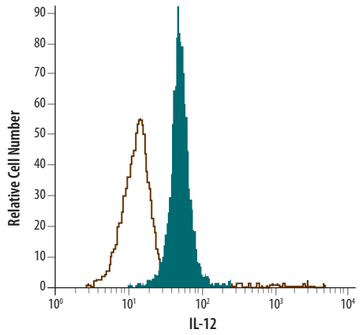




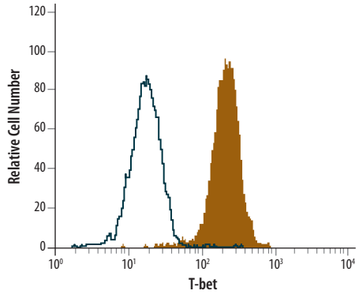
Human whole blood was stained with PE-conjugated anti-human NCAM-1/CD56 (Catalog # FAB2408P) and either APC-conjugated anti-human NKp46 (Catalog # FAB1850A; left scatter plot) or APC-conjugated mouse IgG_{2B} isotype control (Catalog # IC0041A; right scatter plot). Data shown is gated on lymphocytes based on forward-scatter and side-scatter parameters.

Th1 Cell





Intracellular staining of human peripheral blood mononuclear cells (PBMCs) pre-treated with LPS and recombinant human IFN-γ (Catalog # 285-IF) using fluorescein-conjugated anti-human IL-12 (Catalog # IC2191F, filled histogram) or fluorescein-conjugated mouse IgG_1 isotype control (Catalog # IC002F, open histogram).



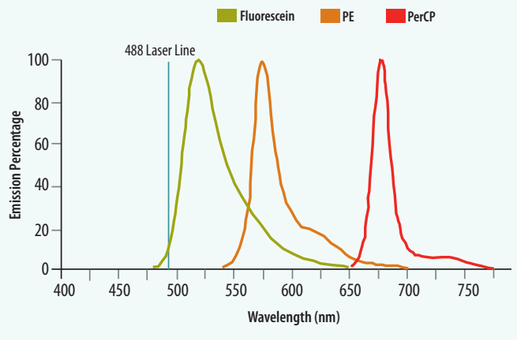
Intracellular staining of Jurkat human T lymphocyte cells with PerCP-conjugated anti-human T-bet (Catalog # IC5385C, filled histogram) or with PerCP-conjugated mouse IgG_1 isotype control (Catalog # IC002C, open histogram).

CATALOG #'s

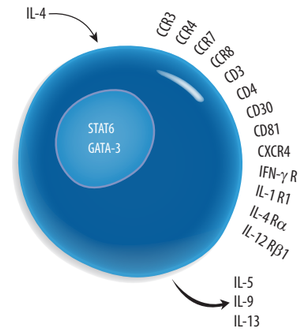
PRODUCT NAME	SPECIES	APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
CCR1	Human	FAB145A		FAB145P		FAB145B	MAB145
CCR5	Human	FAB1802A	FAB180F FAB181F FAB182F FAB183F FAB1802F	FAB182P FAB1802P		FAB180B FAB181B FAB182B FAB183B	MAB180 MAB182 MAB184 MAB1802
CCR5, Antibody Sampler	Human		FABSP1FL				FABSP1
CD3	Human	FAB100A	FAB100F	FAB100P	FAB100C		MAB100
	Mouse		FAB4841F	FAB4841P		BAM4841	MAB484 MAB4841
CD4	Human	FAB3791A	FAB3791F	FAB3791P	FAB3791C		MAB379
	Mouse		FAB554F	FAB554P		BAM554	MAB554
	Canine					BAF2410	AF2410 MAB2410
	Feline						AF2597
IFN-γ	Human		IC285F	IC285P			MAB2851
	Mouse		IC485F				MAB485
	Bovine	IC2300A	IC2300F	IC2300P			MAB2300
	Porcine						MAB985
IFN-γ R1/CD119	Human		FAB673F	FAB673P			MAB6731
IFN-γ R2	Human					BAF773	AF773
	Mouse						MAB773
IL-2	Human		IC202F	IC202P			MAB202
	Mouse		IC402F	IC402P			
	Porcine	IC6521A	IC6521F	IC6521P			MAB6521
CXCR1/IL-8 RA	Human	FAB330A	FAB330F	FAB330P			MAB330
CXCR2/IL-8 RB	Human	FAB331A	FAB331F	FAB331P	FAB331C		MAB331
	Mouse	FAB2164A		FAB2164P			MAB2164
IL-12	Human		IC2191F				MAB1570
	Porcine						MAB1171
IL-12 Rβ2	Human	IC1959A		IC1959P			MAB1959
T-bet/TBX21	Human		IC5385F		IC5385C		MAB5385
TNF-α/TNFSF1A	Human		IC210F	IC210P			MAB2101
	Mouse		IC410F	IC410P			AF-410-NA
TNF-α/TNFSF1A, Membrane Form	Human		FAB210F				

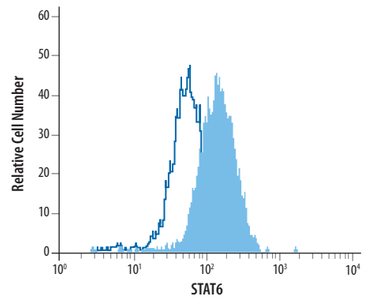
Now offering new Per-CP-Conjugated Antibodies

Peridinin Chlorophyll Protein Complex (PerCP) is a water soluble carotenoid pigment found in photosynthetic dinoflagellates. It is excited by the 488 nm argon laser, and with a relatively large Stokes shift, emits at a maximum wavelength of 675 nm. Because of these spectral characteristics, there is minimal overlap with other commonly used fluorochromes such as phycoerythrin (PE) or fluorescein. This makes PerCP-labeled antibodies especially useful for multi-color analysis and flow cytometry.

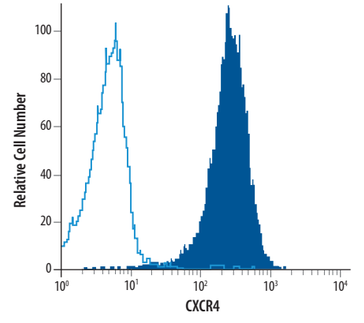


Th2 Cell





HeLa human cervical cancer cells were stained with anti-human/mouse/rat STAT6 (Catalog # AF2167, filled histogram) or goat IgG isotype control (Catalog # AB-108-C, open histogram) followed by APC-conjugated anti-goat secondary antibody (Catalog # F0108).

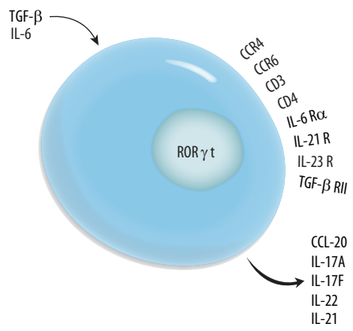


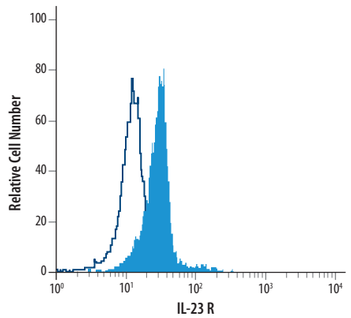
Jurkat human T lymphocyte cells were stained with PerCP-conjugated anti-human CXCR4 (Catalog # FAB170C, filled histogram) or PerCP-conjugated mouse IgG_{2A} isotype control (Catalog # IC003C, open histogram).

CATALOG #'s

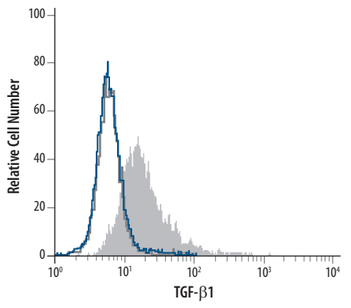
PRODUCT NAME	SPECIES	APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
CCR3	Human	FAB155A	FAB155F	FAB155P	FAB155C		MAB155
CCR4	Human	FAB1567A	FAB1567F	FAB1567P			MAB1567
CCR7	Human	FAB197A	FAB197F	FAB197P	FAB197C		MAB197
	Mouse	FAB3477A	FAB3477F	FAB3477P			MAB3477
CCR8	Human	FAB1429A	FAB1429F	FAB1429P			
CD3	Human	FAB100A	FAB100F	FAB100P	FAB100C		MAB100
	Mouse		FAB4841F	FAB4841P		BAM4841	MAB484 MAB4841
CD4	Human	FAB3791A	FAB3791F	FAB3791P	FAB3791C		MAB379
	Mouse		FAB554F	FAB554P		BAM554	MAB554
	Canine					BAF2410	AF2410 MAB2410
	Feline						AF2597
CD30/TNFRSF8	Human		FAB229F	FAB229P			MAB229
CD81	Human	FAB4615A	FAB4615F	FAB4615P			MAB4615
	Mouse		FAB4865F	FAB4865P			MAB4865
CXCR4	Human	FAB170A FAB173A	FAB170F	FAB170P FAB173P	FAB170C	FAB170B FAB171B FAB172B FAB173B	MAB173
	Mouse	FAB21651A	FAB21651F	FAB21651P			MAB21651
	Feline						MAB4287
CXCR4, Antibody Sampler	Human					FABSP2B	FABSP2
IFN-γ R1/CD119	Human		FAB673F	FAB673P			MAB6731
IFN-γ R2	Human					BAF773	AF773
	Mouse						MAB773
IL-1 RI	Human		FAB269F	FAB269P			AF269
	Mouse		FAB7712F	FAB7712P			MAB7712
IL-4	Human		IC204F	IC204P			
	Porcine						MAB6543
IL-4 Rα	Human					BAF230	AF-230-PB MAB230
	Mouse		FAB530F	FAB530P		BAF530	AF530
IL-5	Human		IC605F	IC605P		BAM6051	MAB405 MAB605
	Mouse			IC405P			MAB405
IL-12 Rβ1	Human		FAB839F	FAB839P			MAB839
IL-13	Human		IC2131F	IC2131P			AF-213-NA
STAT6, aa 627-838	Human Mouse Rat						AF2167
STAT6, aa 342-640	Human	IC2167A	IC2167F	IC2167P			MAB2167
STAT6, phospho Tyr641	Human	IC3717A	IC3717F	IC3717P			AF3717

Th17 Cell



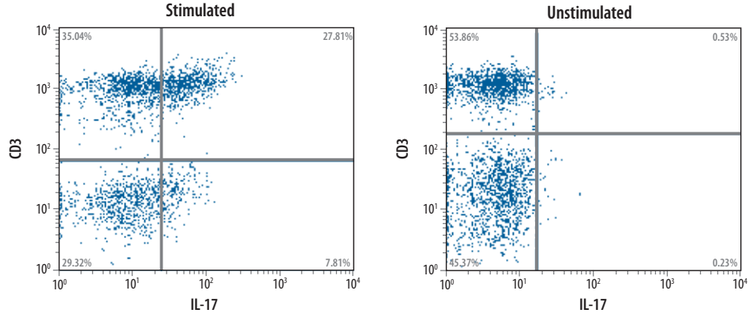


K562 human myelogenous leukemia cells were stained with APC-conjugated anti-human IL-23 R (Catalog # FAB14001A, filled histogram) or APC-conjugated mouse IgG_{2B} isotype control (Catalog # IC0041A, open histogram).



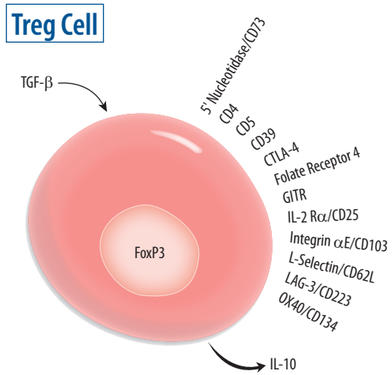
The Human TGF-β1 Fluorokine® Kit (Catalog # NFTG0) was used to detect TGF-β1 binding to cell surface receptors by flow cytometry. TF-1 human erythroleukemia cells were stained with biotinylated recombinant human TGF-β1 (filled histogram) or biotinylated control protein (open blue histogram) followed by fluorescein-conjugated avidin. When anti-TGF-β1 blocking antibody is added, rhTGF-β1 no longer binds to the cell surface receptors (open grey histogram), indicating the specificity of the assay.

		CATALOG #'s					
PRODUCT NAME	SPECIES	APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
CCR4	Human	FAB1567A	FAB1567F	FAB1567P			MAB1567
CCR6	Human	FAB195A	FAB195F	FAB195P			MAB195
	Mouse		FAB590F	FAB590P			MAB590
CCL20	Human		IC360F	IC360P			MAB260
CD3	Human	FAB100A	FAB100F	FAB100P	FAB100C		MAB100
	Mouse		FAB4841F	FAB4841P		BAM4841	MAB484 MAB4841
CD4	Human	FAB3791A	FAB3791F	FAB3791P	FAB3791C		MAB379
	Mouse		FAB554F	FAB554P		BAM554	MAB554
	Canine					BAF2410	AF2410 MAB2410
	Feline						AF2597
IL-6	Human		IC206F	IC206P			MAB2061
	Mouse		IC406F	IC406P			
	Canine						AF1609
	Porcine						MAB6861
IL-6 Rα	Human	FAB227A	FAB227F	FAB227P			MAB227
	Mouse			FAB1830P		BAF1830 BAM1830	AF1830 MAB1830
IL-17/IL-17A	Human	IC3171A		IC3171P	IC3171C		AF-317-NA MAB3171
	Mouse		IC421F	IC421P			AF-421-NA
IL-17F	Human	IC13351A	IC13351F	IC13351P			MAB13351
	Mouse	IC2057A	IC2057F	IC2057P			MAB2057
IL-21	Mouse	IC594A		IC594P			MAB594
IL-21 R	Human	FAB9911A		FAB9911P		BAF991	AF991 MAB9911
	Mouse			FAB5961P			AF596
IL-22	Human	IC7821A		IC7821P			
	Mouse		IC582F	IC582P			MAB582
IL-23 R	Human	FAB14001A	FAB14001F	FAB14001P		BAF1400	AF1400 MAB14001
TGF-β 1	Multi-species			IC240P			MAB240
TGF-β 1, 2, 3	Multi-species	IC1835A		IC1835P			MAB1835
TGF-β RII	Human		FAB241F	FAB241P			MAB241
	Mouse			FAB532P		BAF532	AF532

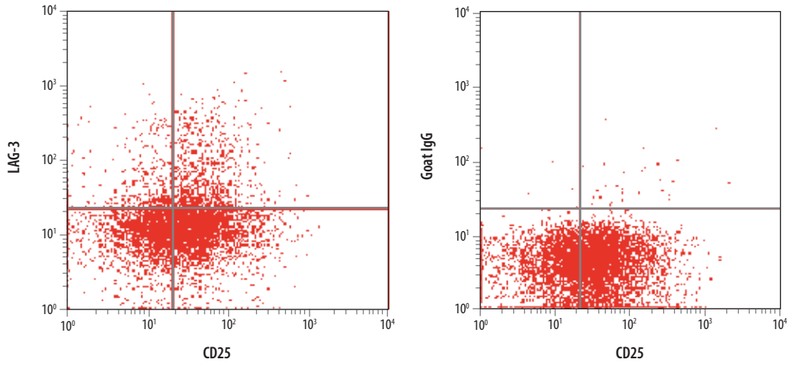


Human peripheral blood mononuclear cells (PBMCs) were left unstimulated (right scatter plot) or stimulated with PMA + ionomycin (left scatter plot) and then stained with APC-conjugated anti-human IL-17 (Catalog # IC3171A) and PE-conjugated anti-human CD3 (Catalog # FAB100P). The quadrant markers were set based on isotype controls.

Treg Cell



		CATALOG #'s					
PRODUCT NAME	SPECIES	APC	FLUORESCEIN	PE	PerCP	BIOTIN	NO LABEL
5'-Nucleotidase/CD73	Mouse	FAB4488A	FAB4488F	FAB4488P			AF4488
CD4	Human	FAB3791A	FAB3791F	FAB3791P	FAB3791C		MAB379
	Mouse		FAB554F	FAB554P		BAM554	MAB554
	Canine					BAF2410	AF2410 MAB2410
	Feline						AF2597
CD5	Human			FAB1636P			AF1636 MAB1636
	Mouse		FAB115F	FAB115P		BAM115	MAB115
CD39/ENTPD1	Human	FAB4397A	FAB4397F	FAB4397P			MAB4397
	Human	FAB4398A	FAB4398F	FAB4398P			AF4398 MAB4398
CTLA-4	Human			FAB386P			AF-386-PB
	Mouse		FAB434F				MAB434
GITR/TNFRSF18	Human	FAB689A	FAB689F	FAB689P			AF689 MAB689
	Mouse		FAB5241F	FAB5241P			MAB5241
IL-2 Rα/CD25	Human	FAB1020A		FAB1020P			AF-223-NA MAB1020
	Mouse	FAB2438A		FAB2438P			MAB2438
IL-10	Human		IC2172F	IC2172P			
Integrin αE/CD103	Mouse	FAB1990A		FAB1990P		BAF1990	AF1990
LAG-3/CD223	Human			FAB2319P		BAF2319	AF2319
OX40/CD134	Human	FAB3388A	FAB3388F	FAB3388P		BAF3388	AF3388 MAB3388
L-Selectin	Human		BBA33				BBA24
	Mouse		FAB5761F	FAB5761P			MAB576 MAB5761 MAB5762
TGF-β 1	Multi-species			IC240P			MAB240
TGF-β 1, 2, 3	Multi-species	IC1835A		IC1835P			MAB1835



$CD4^+$ T lymphocytes were stained with APC-conjugated anti-human CD25 (Catalog # FAB1020A) and either PE-conjugated anti-human LAG-3 (Catalog # FAB2319P, left scatter plot) or PE-conjugated goat IgG control (Catalog # IC108P, right scatter plot).

Fluorokine® Receptor Detection Kits

Fluorokine Receptor Detection kits utilize labeled ligands to detect cell surface receptors by flow cytometry. These kits can be used to quantitatively determine the percentage of cells bearing functional receptors or to estimate cell surface receptor density. Fluorokine Receptor Detection Kits are available to study receptors for a range of cytokines, chemokines, and growth factors.

KIT	CATALOG #
Human BMP4	NFBMP4
Human BMP9	NFBMP9
Human CCL1/I-309	NFCC10
Human CCL2/MCP-1	NFCP0
Mouse CCL2/JE/MCP-1	NFJE0
Human CCL3/MIP-1α	NFLD0
Mouse CCL3/MIP-1α	NFM1A0
Human CCL4/MIP-1β	NFBM0
Human CCL5/RANTES	NFRN0
Human CCL11/Eotaxin	NFE00
Human CCL17/TARC	NFTC0
Mouse CCL17/TARC	NFMTC0
Human CCL25/TECK	NFTK0

KIT	CATALOG #
Human CX3CL1/Fractalkine	NFCX310
Human CXCL8/IL-8	NF800
Human CXCL12/SDF-1α	NNS00
Human EGF	NFEG0
Human Erythropoietin	NFEP0
Human FGF basic	NFFB0
Human Flt-3 Ligand	NFFK0
Human G-CSF*	NFCSPE
Human GM-CSF*	NFGMPE
Human IL-1α/IL-1F1	NFLA0
Human IL-1β/IL-1F2	NFLB0
Human IL-2	NF200
Human IL-3	NF300

KIT	CATALOG #
Human IL-4	N400
Human IL-6	NF600
Human IL-7	NF700
Human IL-10	NF100
Human IL-15	NF150
Human IL-17	NF1700
Human IL-22	NF2200
Human SCF	NFKL0
Mouse SCF	NFMKL0
Human TGF-β1	NFTG0
Human Thrombopoietin	NFTP0
Human TNF-α/TNFSF1A	NFTA0
Human VEGF	NFVE0

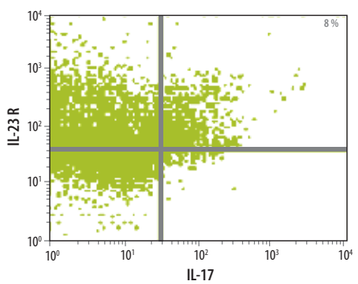
*** These Fluorokine Receptor Detection Kits use a PE label; all others use a Biotin label.**

Multi-Color Flow Cytometry Kits

These kits contain up to four conjugated antibodies, corresponding isotype controls, and all the necessary buffers for optimized single-step staining of embryonic stem cells, multipotent mesenchymal stromal cells, and Th17 cells. The individual buffers for these kits are also available.

KIT	MARKERS	CATALOG #
Human Th17 Cell	IL-23 R (PE), IL-22 (APC), IL-17 (PerCP), CD3 (CFS)	FMC007
Human/Mouse Embryonic Stem Cell	SOX2 (PE), Oct-3/4 (APC), SSEA-1 (PerCP), SSEA-4 (CFS)	FMC001
Human Multipotent Mesenchymal Stromal Cell	CD105 (PerCP), CD146 (CFS), CD90 (APC), CD45 (PE)	FMC002
Mouse Hematopoietic Progenitor Cell	CD48 (PE), CD150 (APC), CD244 (CFS)	FMC005

BUFFER	CATALOG #
Flow Cytometry Staining Buffer (1X)	FC001
Flow Cytometry Human Lyse Buffer (10X)	FC002
Flow Cytometry Mouse Lyse Buffer (10X)	FC003
Flow Cytometry Fixation Buffer (1X)	FC004
Flow Cytometry Permeabilization/Wash Buffer I (1X)	FC005
Flow Cytometry Fixation/Permeabilization Buffer I (1X)	FC007
Flow Cytometry Fixation & Permeabilization Buffer Kit I	FC009



Human PBMCs were stimulated overnight with PMA, ionomycin, recombinant human IL-23 (Catalog # 1290-IL), and LPS followed by 5 hours re-stimulation with PMA/ionomycin and monensin. Cells were harvested and stained with PE-conjugated IL-23 R and PerCP-conjugated IL-17 antibodies included in the Human Th17 Cell Multi-Color Flow Cytometry Kit (Catalog # FMC007). The scatter plot shows the percentage of $IL\text{-}17^+$ cells in relation to $IL\text{-}23\ R^+$ populations from activated PBMCs. Quadrants were set based on isotype controls.

Notes

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