

*Reagents for*  
**Flow cytometry**



4th Edition

**IQ<sup>®</sup>Products**  
bright fluorescence

# Antibodies to Human Antigens

## SINGLE COLOR REAGENTS Vials of 1.0 mL for 100 tests (unless otherwise mentioned)

Item	Clone	Isotype	Cellular expression	Purified	FITC	R-PE	CyQ	APC
<b>Antibodies to Human Leukocytes</b>								
CD1a	MCD1a	Mo IgG1	Thymocytes	• IQP-126P	• IQP-126F	• IQP-126R		
CD2	B-E2	Mo IgG2b	T cells, E rosette rec, thymocytes, NK cells	• IQP-100P	• IQP-100F	• IQP-100R		
CD3	UCHT1	Mo IgG1	Thymocytes, mature T cells	• IQP-519P	• IQP-519F	• IQP-519R	• IQP-519C	• IQP-519A
CD4	Edu-2	Mo IgG2a	T helper/inducer cells, monocytes, macrophages	• IQP-535P	• IQP-535F	• IQP-535R	• IQP-535C	• IQP-535A
CD5	MCD5	Mo IgG2b	Thymocytes, T cells, B cell subset	• IQP-103P	• IQP-103F	• IQP-103R		
CD7	B-87	Mo IgG1	T cells, NK cells	• IQP-127P	• IQP-127F	• IQP-127R		
CD8	MCD8	Mo IgG1	T cytotoxic/suppressor cells, NK cells	• IQP-104P	• IQP-104F	• IQP-104R	• IQP-104C	• IQP-104A
CD10	B-E3	Mo IgG2a	Common acute lymphoblastic leukemia antigen	• IQP-105P	• IQP-105F	• IQP-105R		
CD11a	DF1524	Mo IgG2b	Lymphocytes, granulocytes, monocytes and macrophages	• IQP-151P		• IQP-151R		
CD11b	44	Mo IgG1	T cell subset, monocytes, granulocytes, NK cells	• IQP-138P	• IQP-138F	• IQP-138R		
CD11c	B-ly6	Mo IgG1	Granulocytes, monocytes, NK cells, B and T cell subset	• IQP-119P		• IQP-119R		
CD13	22A5	Mo IgG2a	Monocytes, granulocytes, some macrophages	• IQP-112P	• IQP-112F	• IQP-112R		
CD14	UCHM1	Mo IgG2a	Monocytes, macrophages, granulocytes	• IQP-143P	• IQP-143F	• IQP-143R		• IQP-143A
CD15	BRA-4F1	Mo IgM	Granulocytes, monocytes	• IQP-129P	• IQP-129F	• IQP-129R		
CD16	B-E16	Mo IgG2a	NK cells, neutrophils, granulocytes, macrophages	• IQP-130P	• IQP-130F	• IQP-130R		
CD19	HD37	Mo IgG1	Pan B cells	• IQP-515P	• IQP-515F	• IQP-515R	• IQP-515C	• IQP-515A
CD20	B-ly1	Mo IgG1	Pan B cells	• IQP-108P	• IQP-108F	• IQP-108R		• IQP-108A
CD21	B-ly4	Mo IgG1	Mature B cells, follicular dendritic cells	• IQP-109P	• IQP-109F	• IQP-109R		
CD22	B-ly8	Mo IgG1	Pan B cells (surface and cytoplasmic staining)	• IQP-110P	• IQP-110F	• IQP-110R		
CD23	B-G6	Mo IgG1	B cell differentiation antigen	• IQP-154P		• IQP-154R		
CD25	B-B10	Mo IgG1	Activated T and B cells and activated macrophages	• IQP-125P	• IQP-125F	• IQP-125R		
CD31	NaM28-2D1	Mo IgG1	PECAM on monocytes, platelets, granulocytes	• IQP-186P		• IQP-186R		
CD33	WM53	Mo IgG1	Monocytes, granulocytes	• IQP-146P		• IQP-146R		• IQP-146A
CD34	581	Mo IgG1	Bone marrow progenitor cells	• IQP-144P	• IQP-144F	• IQP-144R		• IQP-144A
CD36	SMØ	Mo IgM	Monocytes, macrophages, platelets, weakly B cells	• IQP-113P	• IQP-113F			
CD38	T16	Mo IgG1	Plasma cells, pre-B cells, immature and activated T cells	• IQP-132P		• IQP-132R		• IQP-132A
CD41	NaM12-6E1	Mo IgG1	Platelets and megakaryocytes	• IQP-187P	• IQP-187F			
CD43	MT1	Mo IgG1	T cells, B cells, NK cells, monocytes	• IQP-133P	• IQP-133F	• IQP-133R		
CD44	MEM-85	Mo IgG2b	Epithelial, endothelial, mesothelial and mesenchymal cells	• IQP-118P	• IQP-118F	• IQP-118R		
CD45	ML2	Mo IgG1	Pan leukocytes (RA, RB, RO isoforms)	• IQP-124P	• IQP-124F	• IQP-124R	• IQP-124C	• IQP-124A
CD45RA	MB1	Mo IgG1	B cells, T cell subset, monocytes, granulocytes	• IQP-123P	• IQP-123F	• IQP-123R		
CD45RB	MT4	Mo IgG1	B cells, T cell subset, monocytes, granulocytes	• IQP-140P		• IQP-140R		
CD45RC	MT2	Mo IgG1	B lymphocytes, T suppressor/cytotoxic cells, NK cells	• IQP-117P	• IQP-117F			
CD45RO	UCHL1	Mo IgG2a	T cells, thymocytes, monocytes, macrophages	• IQP-141P	• IQP-141F	• IQP-141R		
CD50	B-R1	Mo IgG1	ICAM-3 on activated leukocytes, neutrophils, epidermal dendritic cells	• IQP-183P	• IQP-183F			
CD52	HI186	Mo IgG2b	GPI on Thymocytes, lymphocytes, NK cells, monocytes/macrophages	• IQP-500P	• IQP-500F			
CD54	B-H17	Mo IgG1	ICAM-1 on lymphoid endothelium, activated lymphocytes	• IQP-181P	• IQP-181F			
CD55	NaM16-4D3	Mo IgG1	Decay-accelerating factor, DAF			• IQP-520R		
CD56	C5.9	Mo IgG2b	NK cells			• IQP-189R		
	MOC-1	Mo IgG1	NK cells	• IQP-114P		• IQP-114R		
CD59	NaM172-2B5	Mo IgG1	Membrane inhibitor of reactive lysis, MIRL		• IQP-521F	• IQP-521R		
CD61	NaM28-7D6	Mo IgG1	Platelets, monocytes, macrophages, endothelial cells	• IQP-188P	• IQP-188F	• IQP-188R		
CD62E	B-P7	Mo IgG1	E-selectin on endothelial cells	• IQP-185P	• IQP-185F			
CD62P	AK-6	Mo IgG1	P-selectin on activated platelets	• IQP-501P				
CD64 <sup>(1)</sup>	22	Mo IgG1	Fc gamma receptor 1 on macrophages, monocytes and neutrophils	• CD64-22U	• CD64-22F	• CD64-22P		
	32.2	Mo IgG1	Fc gamma receptor 1 on macrophages, monocytes and neutrophils	• CD64-322U	• CD64-322F	• CD64-322P		
CD69	CH/4	Mo IgG2a	Activated lymphocytes, monocytes and platelets	• IQP-502P				
CD71	DF1513	Mo IgG1	Activated leukocytes	• IQP-152P	• IQP-152F			
CD79a	ZL7.4	Mo IgG1	CD79a positive cells, mantle cell lymphoma	• IQP-500P		• IQP-500R		
CD80	MEM-233	Mo IgG1	Activated B cells, macrophages and dendritic cells		• IQP-504F			
CD83	HB15a	Mo IgG2b	Lymphocytes, B cells and dendritic cells		• IQP-503F			
CD86	B-T7	Mo IgG1	Monocytes, dendritic cells, activated B cells		• IQP-505F	• IQP-505R		
CD95	B-G27	Mo IgG2a	Inducing. Activated lymphocytes, monocytes, neutrophils, fibroblasts	• IQP-157P	• IQP-157F			
	B-G34	Mo IgG1	Non-inducing. Human lymphocytes and B and T cell lines	• IQP-156P	• IQP-156F			
	B-G30	Mo IgG1	Inducing. Peripheral monocytes and lymphocytes	• IQP-158P	• IQP-158F			
	B-D29	Mo IgG1	Inhibiting. Peripheral lymphocytes and B and T cell lines	• IQP-159P	• IQP-159F			
CD102	B-T1	Mo IgG1	ICAM-2. Vascular endothelium, all leukocytes except neutrophils	• IQP-182P	• IQP-182F			
CD103	B-ly7	Mo IgG1	Hairy Cell Leukemia, T cells subset	• IQP-111P	• IQP-111F	• IQP-111R		
CD106	B-K9	Mo IgG1	VCAM-1. Vascular endothelium, dendritic cells, macrophages	• IQP-184P	• IQP-184F			
CD138	B-B4	Mo IgG1	Plasma cells	• IQP-142P	• IQP-142F	• IQP-142R	• IQP-142C	• IQP-142A
CD163 <sup>(1)</sup>	MAC2-158	Mo IgG1	Mononuclear phagocytes, monocytes and macrophages	• CD163-158U	• CD163-158F	• CD163-158P		
	MAC2-48	Mo IgG1	Mononuclear phagocytes, monocytes and macrophages	• CD163-48U	• CD163-48F			
CD235a	NaM10-6G4	Mo IgG2a	GpA, erythroid cells and progenitors	• IQP-145P	• IQP-145F			

Antibodies to Human MHC Antigens								
IQ-HLA-B27	ABC-m3 +B7	Mo IgG2a	HLA-B27 detection with cocktail of α-B27 FITC and α-B7 Pure		• IQP-516F			
HLA-B27 <sup>(2)</sup>	FD705	Mo IgG2b	HLA-B27 detection	0.5 mL - 50 tests	• IQP-827F50X			
anti-HLA-DR	BRA30	Mo IgG2a	B cells, monocytes, macrophages, activated T cells		• IQP-134P	• IQP-134F	• IQP-134R	• IQP-134C

Antibodies to Leukocyte Enzyme-associated Molecules								
anti-MPO	266.6K2	Mo IgG1	Myeloid cells, intracellular MPO		• IQP-155P	• IQP-155F		
anti-Tdt	HT-6	Mo IgG1	Lymphoid progenitor cells and precursor cells	0.1 mL - 10 tests 0.5 mL - 50 tests	• IQP-149P	• IQP-149F		

Markers for Cell Proliferation								
anti-Bd2	100	Mo IgG1	Bcl-2 proto-oncogene protein		• IQP-507F			
anti-BrdU	Mobu-1	Mo IgG1	Specific for BrdU incorporated into nuclear DNA		• IQP-170P	• IQP-170F		
anti-p53	BP53.12	Mo IgG2a	Human carcinoma		• IQP-171P	• IQP-171F		
anti-PCNA	PC10	Mo IgG2a	Proliferating Cell Nuclear Associated Antigen		• IQP-506F			
anti-Cyclin D1	DCS-6	Mo IgG2a	Critical in G1 to S cell cycle transition and potential Mantle Cell Lymphoma (MCL) indicator	0.1 mL - 10 tests 0.5 mL - 50 tests	• IQP-522F	• IQP-522F		

## SINGLE COLOR REAGENTS Vials of 1.0 mL for 100 tests

Item	Clone	Isotype	Cellular expression	Purified	FITC	R-PE	CyQ	APC
<b>Antibodies to Human Immunoglobulins</b>								
anti-IgA	Polydonal Go	Go Flab <sub>2</sub>	Goat anti-human IgA Flab <sub>2</sub>		• IQP-508F			
anti-IgD	Polydonal Go	Go Flab <sub>2</sub>	Goat anti-human IgD Flab <sub>2</sub>		• IQP-509F			
anti-IgG	Polydonal Go	Go Flab <sub>2</sub>	Goat anti-human IgG Flab <sub>2</sub>		• IQP-510F			
anti-IgM	Polydonal Go	Go Flab <sub>2</sub>	Goat anti-human IgM Flab <sub>2</sub>		• IQP-511F			
<b>Markers for Clonality</b>								
anti-kappa	NaM76-5F3	Mo IgG2a	50 - 70% of normal B lymphocytes		• IQP-517F	• IQP-517R		
	Polydonal Rb	Rb Flab <sub>2</sub>	50 - 70% of normal B lymphocytes		• IQP-135F			
anti-lambda	NaM79-8E6	Mo IgG1	30 - 50% of normal B lymphocytes		• IQP-518F	• IQP-518R		
	Polydonal Go	Go Flab <sub>2</sub>	30 - 50% of normal B lymphocytes		• IQP-136F	• IQP-136R		
<b>Isotype Controls</b>								
IgG1	MCG1	Mo IgG1		• IQP-191P	• IQP-191F	• IQP-191R	• IQP-191C	• IQP-191A
IgG2a	MCG2a	Mo IgG2a		• IQP-192P	• IQP-192F	• IQP-192R	• IQP-192C	• IQP-192A
IgG2b	MCG2b	Mo IgG2b		• IQP-193P	• IQP-193F	• IQP-193R		
IgM	MCGM	Mo IgM		• IQP-194P	• IQP-194F	• IQP-194R		
Ig	Polydonal Rb	Rb Ig		• IQP-195F	• IQP-195F			
	Polydonal Go	Go Ig		• IQP-196F	• IQP-196R			
2nd Step Reagent	Polydonal Rb	Rb Flab <sub>2</sub>	Rabbit anti-mouse IgG Flab <sub>2</sub>	0.5 mL (10x) - 100 tests	• IQP-190F	• IQP-190R		

## DUAL COLOR REAGENTS Vials of 1.0 mL for 50 tests

FITC	Clone	R-PE	Clone	IQP Code
• CD2	B-E2	• CD19	HD37	IQP-252FR
• CD3	UCHT1	• CD4	Edu-2	IQP-253FR
• CD3	UCHT1	• CD8	MCD8	IQP-254FR
• CD3	UCHT1	• CD16	B-E16	IQP-255FR
• CD3	UCHT1	• CD56	C5.9	IQP-256FR
• CD3	UCHT1	• CD16	B-E16	IQP-256FR
• CD3	UCHT1	• CD56	MOC-1	IQP-256FR
• CD3	UCHT1	• CD19	HD37	IQP-249FR
• CD3	UCHT1	• CD25	B-B10	IQP-257FR
• CD3	UCHT1	• HLA-DR	BRA30	IQP-258FR
• CD4	Edu-2	• CD8	MCD8	IQP-259FR
• CD4	Edu-2	• CD25	B-B10	IQP-260FR
• CD4	Edu-2	• CD45RA	MB1	IQP-261FR
• CD5	MCD5	• CD19	HD37	IQP-262FR
• CD5	MCD5	• CD20	B-ly1	IQP-210FR
• CD7	B-87	• CD56	MOC-1	IQP-241FR
• CD8	MCD8	• CD4	Edu-2	IQP-263FR
• CD8	MCD8	• CD25	B-B10	IQP-213FR
• CD8	MCD8	• CD38	T16	IQP-230FR
• CD8	MCD8	• CD56	C5.9	IQP-270FR
• CD8	MCD8	• CD56	MOC-1	IQP-214FR
• CD10	B-E3	• CD19	HD37	IQP-264FR
• CD16	B-E16	• CD56	C5.9	IQP-271FR
• CD16	B-E16	• CD56	MOC-1	IQP-221FR
• CD19	HD37	• CD10	B-E3	IQP-265FR
• CD22	B-ly8	• CD5	MCD5	IQP-242FR
• CD22	B-ly8	• CD56	C5.9	IQP-272FR
• CD22	B-ly8	• CD56	MOC-1	IQP-244FR
• CD45	ML2	• CD14	UCHM1	IQP-228FR
• CD45RA	MB1	• CD4	Edu-2	IQP-266FR

## TRIPLE COLOR REAGENTS Vials of 1.0 mL for 50 tests

FITC	Clone	R-PE	Clone	CyQ	Clone	IQP Code
• CD3	UCHT1	• CD4	Edu-2	• CD45	ML2	IQP-417FRC
• CD3	UCHT1	• CD8	MCD8	• CD45	ML2	IQP-418FRC
• CD3	UCHT1	• CD19	HD37	• CD45	ML2	IQP-419FRC
• CD4	Edu-2	• CD8	MCD8	• CD3	UCHT1	IQP-420FRC
• CD7	B-87	• CD5	MCD5	• CD3	UCHT1	IQP-421FRC
• CD15	BRA-4F1	• CD14	UCHM1	• CD45	ML2	IQP-402FRC
• CD16	B-E16	• CD19	HD37	• CD3	UCHT1	IQP-423FRC
• CD19	HD37	• CD10	B-E3	• CD45	ML2	IQP-422FRC
• anti-Kappa	NaM76-5F3	• anti-Lambda	NaM79-8E6	• CD19	HD37	IQP-411FRC
• anti-Kappa	Poly Rb	• anti-Lambda	Poly Go	• CD19		

### CYTOKINE DETECTION KITS

Item	Description	Test size	IQP code
Cytodetect™ Basic kit	Kit containing reagents for stimulation, fixation and permeabilization	50	IQP-367
Cytodetect™ kit	As Basic kit plus 2 cytokines of choice (excl. TGF-β1-RPE (IQP-169R))	50	IQP-366

### DETECTION OF SEPSIS

Item	Description	Test size	IQP code
Leuko64™ (1)	Complete kit for the detection of inflammation and tissue injury using neutrophil CD64 expression detection	75	LK-064-75
		250	LK-064-250

### DETECTION OF APOPTOSIS

Item	Description	Purified	FITC	R-PE	APC
Annexin V	Binds phosphatidyl serine		• IQP-120F	• IQP-120R	• IQP-120A
Propidium iodide	Stains dead and necrotic cells	• IQP-121			
Merocyanine 540	Binds membranes of apoptotic cells	• IQP-198			
Phosphatidyl Serine Detection Kit	Complete kit containing: Annexin V, propidium iodide and calcium buffer (100 tests)		• IQP-116F	• IQP-116R	

## Miscellaneous Reagents

### ABSOLUTE COUNTING

Item	Description	Test size	IQP code
Bright Count Microspheres™	A microbead-based single-platform system for absolute counting. In combination with fluorescent labeled monoclonal antibodies selected cell subpopulations can be quantified	50 100	IQP-391 IQP-392

### LYSING AND PERMEABILIZATION

Item	Description	Test size	IQP code
IQ Lyse (4)	'Ready to use' erythrocyte lysing solution	250	IQP-199
IQ Brightlyse	'Ready to use' erythrocyte lysing solution designed for use with Bright Count Microspheres™	50	IQP-393
IQ Starfix	Intracellular staining fixation and permeabilization solution	50	IQP-200
Fix&Perm (4)	Intracellular staining fixation and permeabilization solution	50 200	IQP-394 IQP-395

### SAMPLE REQUEST FORM

Date \_\_\_\_\_

Contact person \_\_\_\_\_

Institute \_\_\_\_\_

Department \_\_\_\_\_

Adress \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Free samples:	Quantity	Description	Product code	Volume	Price (€)
	1	_____	_____	5-10 tests	Free *
	1	_____	_____	5-10 tests	Free *
	1	_____	_____	5-10 tests	Free *
	1	_____	_____	5-10 tests	Free *
	1	_____	_____	5-10 tests	Free *

\* For kits and a small number of unique products (TGF-β, IQ HLA-B27 and single color- and combinations with CD103 and CD138), there are no samples available. If you are interested in one of these products, please let us know and we will make an introduction offer.

\* Samples are subject to availability. IQ Products may change sample availability at any time without prior notice.

Availability: Products are available from our stock

Conditions: You can always order samples  
Maximum 1 sample per product type per customer – total number of samples 5  
\* Transport costs for samples may be charged

You can fax this form to: **+ 31 50 5757 002 or to your local distributor**

(1) Distributed for Trillium Diagnostic, LLC outside the US by IQ Products bv, The Netherlands

(2) Product available in the Netherlands only

(3) Polyclonal antibodies, anti-S and anti-s, will soon be replaced by monoclonal antibodies

(4) Produced by An Der Grub Bio Research GmbH

Go = Goat  
Ha = Hamster  
Hu = Human  
Mo = Mouse  
Rb = Rabbit  
Rt = Rat

CE IQ Products' quality system complies with the NEN-EN-ISO 13485.  
The Certificate has been awarded by TNO Certification Medical, Leiden.

For further product information, ordering or suggestions, please contact your local distributor or us directly.

Your local distributor is:



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