

Mouse CD16 Monoclonal Antibody | anti-CD16 antibody

MOUSE ANTI HUMAN CD16:Biotin

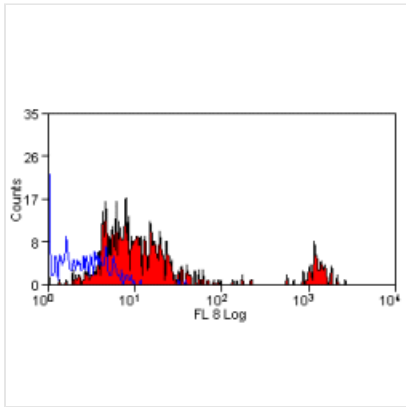
CATALOG # AAA49531	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

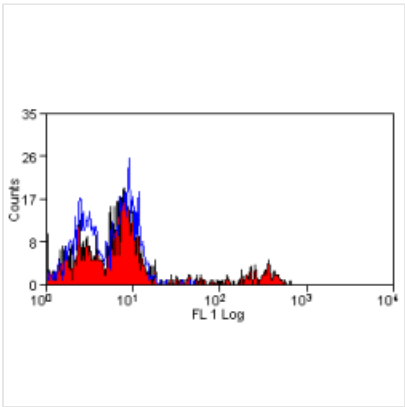
CD16; Monoclonal Antibody; MOUSE ANTI HUMAN CD16:Biotin; anti-CD16 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	DJ130c
Form/Format	Biotin Purified IgG conjugated to Biotin - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	233
Applicable Applications for anti-CD16 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD16:Alexa Fluor 647



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD16

ADDITIONAL INFORMATION

Related Product Information for anti-CD16 antibody	Mouse anti Human CD16 antibody, clone DJ130c recognizes human CD16, also known as Low affinity immunoglobulin gamma Fc region receptor III-A or Fc-gamma RIIIa. CD16a is a 254 amino acid ~50-65kDa single pass type 1 transmembrane glycoprotein bearing two Ig-like C2 type domains. CD16 exists as a transmembranous form (Fc gammaRIIIA, or CD16A) and a glycosyl phosphatidylinositol (GPI) anchored form, Fc gammaRIIIB, or CD16B (Scallan et al. 1989). CD16A is expressed by NK cells, some T cells, and macrophages, whereas CD16B is primarily expressed by granulocytes (Ravetch and Perussia 1989). In addition, CD16B exists as two allelic variants NA1 and NA2. DJ130c recognizes all polymorphonuclear cells irrespective of their NA phenotype. Mouse anti Human CD16 antibody, clone DJ130c recognizes an epitope in the first membrane-distal domain of CD16, recognizes both CD16a and CD16b and has been demonstrated to cross-react with CD16 from rhesus macaques, Macaca mulatta (Xu et al. 2012)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	132814489
NCBI GeneID	2215
NCBI Accession #	NP_000561.3
NCBI GenBank Nucleotide #	NM_000570.4
Molecular Weight	26,216 Da
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor III-B isoform 2
NCBI Official Synonym Full Names	Fc fragment of IgG, low affinity IIIB, receptor (CD16b)
NCBI Official Symbol	FCGR3B
NCBI Official Synonym Symbols	CD16; FCG3; CD16b; FCGR3; FCR-10; FCRIII; FCRIIIB
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III-B; Fc-gamma receptor IIIB (CD 16); fc-gamma RIII-beta; fc-gamma RIIIB; igG Fc receptor III-1
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-B
UniProt Gene Name	FCGR3B
UniProt Synonym Gene Names	CD16B; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIB; FcRIII; FcRIIIB
UniProt Entry Name	FCG3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd16-antibody-clone-dj130c-flow-cytometry-elisa/49531>