

Mouse CD16 Monoclonal Antibody | anti-CD16 antibody

MOUSE ANTI HUMAN CD16

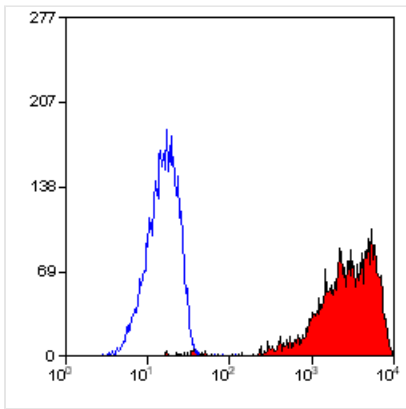
CATALOG # AAA11921	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunoprecipitation
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PRODUCT SYNONYMS

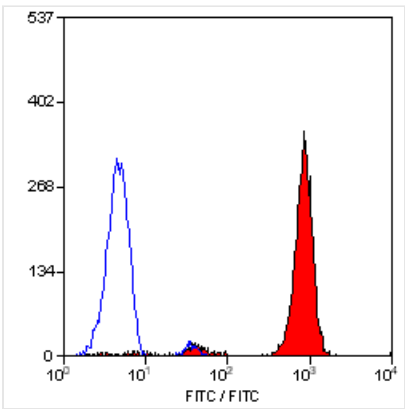
CD16; Monoclonal Antibody; MOUSE ANTI HUMAN CD16; CD16A; CD16B; FCG3; FCGR3; IGFR3; FcRIII; anti-CD16 antibody

PRODUCT SPECIFICATIONS

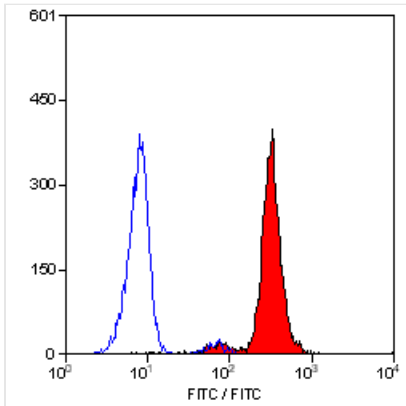
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	LNK16
Specificity	Mouse anti Human CD16 antibody, clone LNK16 recognizes CD16, a 50-65kDa cell surface molecule which exists in two forms - a transmembranous form expressed by NK cells and some T cells, and a phosphatidylinositol linked form expressed by granulocytes. CD16 is a low affinity receptor for IgG (FcR III), and is an important receptor mediating ADCC by NK cells. Mouse anti Human CD16 antibody, clone LNK16 has been reported to block the binding of IgG to the CD16 molecule (Tamm and Schmidt 1996).
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	233
Applicable Applications for anti-CD16 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	FC - Suggested Dilution: 1/10 - 1/20 Use 10 ul of the suggested working dilution to label 10⁶ cells or 100ul human whole blood. Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.
Target Species	Human
Preparation	Purified IgG prepared by ion exchange chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Normal human peripheral blood granulocytes.
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63.653 myeloma cell line.
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



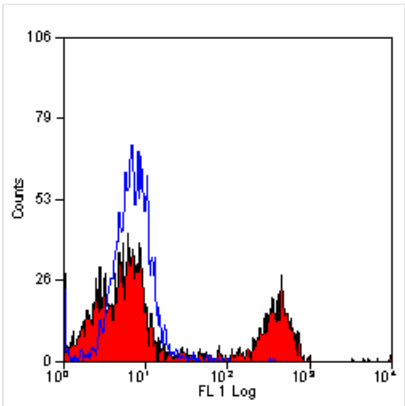
Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD16:Alexa Fluor 647 (AAA11921)



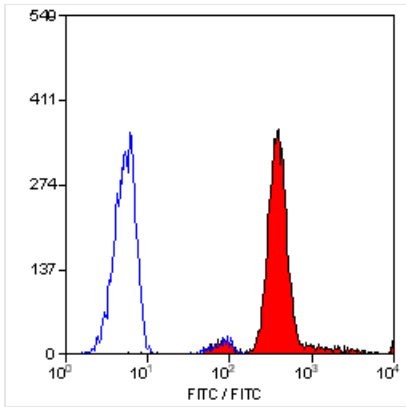
Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD16: FITC



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



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



Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD16: Biotin

NCBI AND UNIPROT INFORMATION

NCBI GI #	132814489
NCBI GeneID	2215
NCBI Accession #	NP_000561.3
NCBI GenBank Nucleotide #	NM_000570.4

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd16-antibody-clone-lnk16-flow-cytometry-immunoprecipitation-elisa/11921>