Mouse CD16 Monoclonal Antibody | anti-CD16 antibody

Anti-Hu CD16 PE-Cyanine5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128341	**Mouse**	**Non-human primates, Human**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD16; Monoclonal Antibody; Anti-Hu CD16 PE-Cyanine5; FcgammaRIII; Low affinity immunoglobulin gamma Fc region receptor III; IGFR3; FCRIII; anti-CD16 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Non-human primates, Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	3G8
Specificity	The mouse monoclonal antibody 3G8 recognizes an extracellular epitope of CD16, a low affinity receptor for aggregated IgG (FcgammaRIII antigen). CD16 exists in two different isoforms: CD16a (FcgammaRIIIA; 50-65 kDa; expressed on NK-cells, monocytes and macrophages) and CD16b (FcgammaRIIIB; 48 kDa; mainly expressed on neutrophils).
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cyanine5 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	233
Applicable Applications for anti-CD16 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human neutrophils
Conjugation	PE-Cyanine5
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD16 antibody	CD16 (FcgammaRIII) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Human FcgammaRIII is expressed in two forms - FcgammaRIII-A and -B. FcgammaRIII-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with FcepsilonRI-gamma subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FcgammaRIII-A is associated, moreover, with FcepsilonRI-beta subunit. Besides IgG, FcgammaRIII-A can be triggered also by oligomeric IgE. FcgammaRIII-B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8176551
NCBI GeneID	2214

NCBI Official Full Name	CD16, partial
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIIa
NCBI Official Symbol	FCGR3A
NCBI Official Synonym Symbols	CD16; FCG3; CD16A; FCGR3; IGFR3; IMD20; FCR-10; FCRIII; FCGRIII; FCRIIIA
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III-A

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-3g8-flow-cytometry-elisa/128341