

Mouse CD16 Monoclonal Antibody | anti-CD16 antibody

Anti-Hu CD16 PE

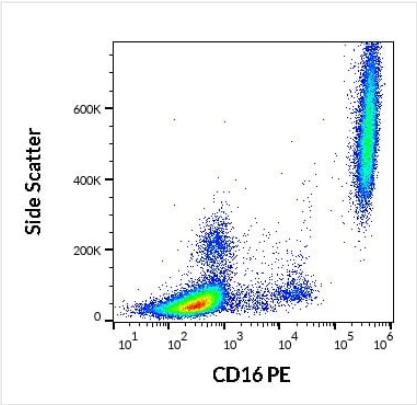
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128339	Mouse	Non-human primates, Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

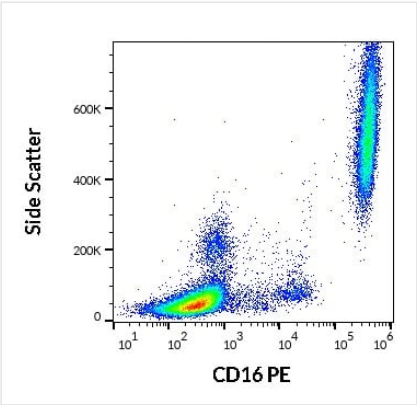
CD16; Monoclonal Antibody; Anti-Hu CD16 PE; FcgammaRIII; Low affinity immunoglobulin gamma Fc region receptor III; IGFR3; FCRIII; anti-CD16 antibody

PRODUCT SPECIFICATIONS

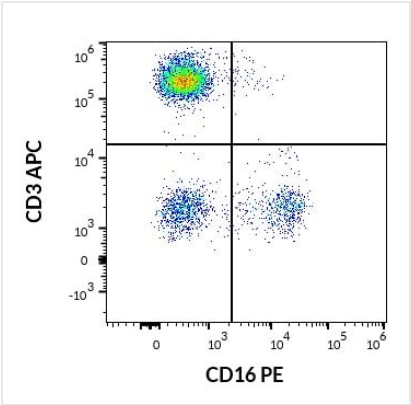
Host	Mouse
Reactivity	Non-human primates, Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	3G8
Specificity	The mouse monoclonal antibody 3G8 recognizes an extracellular epitope of CD16, a low affinity receptor for aggregated IgG (FcgammaRIII antigen). CD16 exists in two different isoforms: 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 R-phycoerythrin (PE) 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
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD16 (3G8) PE antibody (20 ul reagent / 100 ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Separation of human CD3 negative CD16 positive NK cells (red-filled) from human CD3 positive CD16 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD16 (3G8) PE (20 ul reagent / 100 ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD16 (3G8) PE antibody (20 ul reagent / 100 ul of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10 ul reagent / 100 ul of peripheral whole blood).

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

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://www.aaabiotech.com/monoclonal/cd16-antibody-clone-3g8-flow-cytometry-elisa/128339>