

Mouse anti-Human, Mouse CD16 Monoclonal Antibody | anti-CD16 antibody

Monoclonal antibody to CD16 (Clone: B73.1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14891	Mouse	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence

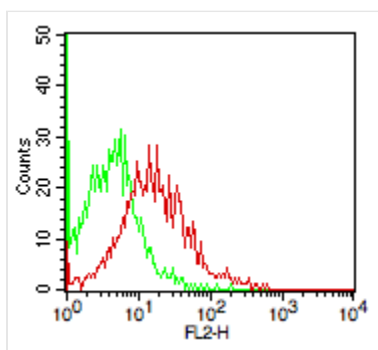
PRODUCT SYNONYMS

CD16; Monoclonal Antibody; Monoclonal antibody to CD16 (Clone: B73.1); CD16-II; CD16a antigen; Fc-gamma RIII-alpha; FcR-10; IgG Fc receptor III-2; CD16A; FCG3; FCGR3; IGFR3; anti-CD16 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse, IgG1k
Clone Number	B73.1
Purity/Purification	Protein G Chromatography
Form/Format	Purified; 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-CD16 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Immunogen	NK cell-enriched fraction from human peripheral blood was used as the immunogen for this antibody.
Preparation and Storage	Store the antibody at 4°C; stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



Application Data

Cell surface staining of PBMC using anti-CD16, clone B73.1 antibody. Green histogram: Isotype control. Red histogram: anti-CD16 antibody. Goat anti-mouse PE was used as secondary antibody. 0.5 ug antibody was used.

ADDITIONAL INFORMATION

Related Product Information for anti-CD16 antibody	CD16, also known as low affinity IgG receptor III (FcgammaRIII), is expressed as two distinct forms, referred to as CD16a and CD16b. CD16a (FcgammaRIIIA) is a 50-65 kD polypeptide-anchored transmembrane protein expressed on the surface of NK cells, activated monocytes, macrophages, a subset of T cells, and placental trophoblasts in humans. CD16b (FcgammaRIIIB) is a 48 kD glycosylphosphatidylinositol (GPI)-anchored protein whose extracellular domain is over 95% homologous to that of CD16a, and is expressed specifically on neutrophils. CD16 binds to aggregated IgG or IgG-antigen complex, which functions in NK cell activation, phagocytosis, and antibody-dependent cell-mediated cytotoxicity (ADCC).
Product Categories/Family for anti-CD16 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119876
NCBI GeneID	2214
UniProt Accession #	P08637; Q53FJ0; Q53FL6; Q5EBR4; Q65ZM6; Q6PIJ0; A2N6W9
NCBI Official Full Name	Low affinity immunoglobulin gamma Fc region receptor III-A
NCBI Official Synonym Full Names	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)
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; FcgammaRIIIA; CD16a antigen; fc-gamma RIII; Fc-gamma RIIIA; Fc-gamma RIII-alpha; igG Fc receptor III-2; Fc gamma receptor III-A; Fc-gamma receptor IIIB (CD16); neutrophil-specific antigen NA; Fc-
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-A
UniProt Gene Name	FCGR3A
UniProt Synonym Gene Names	CD16A; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIA; FcRIII; FcRIIIa
UniProt Entry Name	FCG3A_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.