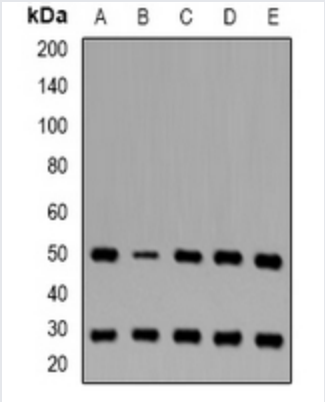
CD16b Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD16b, Polyclonal Antibody
Full Product Name	Rabbit anti-CD16b Antibody
Product Gene Name	anti-CD16b antibody
Product Synonym Names	CD16B; FCG3; FCGR3; IGFR3; Low affinity immunoglobulin gamma Fc region receptor III-B; Fc-gamma RIII-beta; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb; FcR-10; IgG Fc receptor III-1; CD16b
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	26,216 Da
OMIM	X16863 mRNA
3D Structure	ModBase 3D Structure for O75015
Immunogen	Recombinant full length protein of human CD16b
Product Categories/Family for anti-CD16b antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-CD16b antibody	Western Blot (WB)
Application Notes for anti-CD16b antibody	WB: 1:500-1:2000
Related Product Information for anti-CD16b antibody	MBS4505310 is an antibody targeting CD16b. Also known as Rabbit anti-CD16b Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CD16b antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CD16b antibody
Western blot analysis of CD16b expression in Jurkat (A), THP1 (B), mouse liver (C), mouse thymus (D), rat spleen (E) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD16b. It may not necessarily be applicable to this product.

NCBI GI #	7994572
NCBI GeneID	2215
NCBI Accession #	O75015.2
UniProt Primary Accession #	O75015
UniProt Related Accession #	O75015
NCBI Official Full Name	Low affinity immunoglobulin gamma Fc region receptor III-B
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIIb
NCBI Official Symbol	FCGR3B
NCBI Official Synonym Symbols	CD16; FCG3; CD16A; CD16b; FCGR3; FCGR3A; FCR-10; FCRIII; FCRIIIb
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-B
UniProt Synonym Protein Names	Fc-gamma RIII-beta; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb; FcR-10; IgG Fc receptor III-1; CD_antigen: CD16b
Protein Family	Low affinity immunoglobulin gamma Fc region receptor
UniProt Gene Name	FCGR3B
UniProt Synonym Gene Names	CD16B; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III-B
NCBI Summary for CD16b	The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. [provided by RefSeq, Aug 2012]
UniProt Comments for CD16b	Receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.
Research Articles on CD16b	**1.** Data suggest association of FCGR3B deletion with increased risk of rheumatoid arthritis (RA) in a large cohort.

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