FCGR3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FCGR3B, Polyclonal Antibody
Full Product Name	FCGR3B (N-Term) Rabbit pAb
Product Gene Name	anti-FCGR3B antibody
Product Synonym Names	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; FCGR3B; CD16B; FCG3; FCGR3; IGFR3
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB47719
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purified
OMIM	X16863 mRNA
3D Structure	ModBase 3D Structure for O75015
Immunogen	This FCGR3B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 12-47 amino acids from the N-terminal region of human FCGR3B.
Cellular Localization	Cell Membrane, Membrane, Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FCGR3B antibody	Western Blot (WB)
Application Notes for anti-FCGR3B antibody	WB: 1:1000
Related Product Information for anti-FCGR3B antibody	MBS8555888 is an antibody targeting FCGR3B. Also known as FCGR3B (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-FCGR3B 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCGR3B. 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 FCGR3B	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 FCGR3B	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 FCGR3B	**1.** Collectively, these results indicate that the amino acid substitution Ala78Asp resulting in the HNA-1c allotype leads to higher affinity toward human IgG, enhancement of neutrophil activation, and possibly effective clearance of malaria by intracellular reactive oxygen species.
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