FCGR3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FCGR3B, Polyclonal Antibody
Full Product Name	FCGR3B (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) (MaxLight 550)
Product Gene Name	anti-FCGR3B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FCGR3B. Species Crossreactivity: human
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	26,216 Da
OMIM	X16863 mRNA
3D Structure	ModBase 3D Structure for O75015
Immunogen	KLH conjugated synthetic peptide corresponding to aa12-47 at the N-terminal region of human FCGR3B.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-FCGR3B antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-FCGR3B antibody	Western Blot (WB)
Application Notes for anti-FCGR3B antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-FCGR3B antibody	MBS6456103 is an antibody targeting FCGR3B. Also known as FCGR3B (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) (MaxLight 550). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-FCGR3B antibody	Ravetch J.V., et al. J. Exp. Med. 170:481-497(1989). Simmons D., et al. Nature 333:568-570(1988). Simmons D., et al. Nature 340:662-662(1989). Peltz G.A., et al. Proc. Natl. Acad. Sci. U.S.A. 86:1013-1017(1989). Scallon B.J., et al. Proc. Natl. Acad. Sci. U.S.A. 86:5079-5083(1989).
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.** Data suggest association of FCGR3B deletion with increased risk of rheumatoid arthritis (RA) in a large cohort.
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