# FCGR3B Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | FCGR3B, Polyclonal Antibody |
| **Full Product Name** | FCGR3B Antibody, HRP conjugated |
| **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** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid |
| **Purity/Purification** | >95%, Protein G purified |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Matching Pairs** | Unconjugated Antibody: FCGR3B (MBS7108864)<br>HRP Conjugated Antibody: FCGR3B (MBS7108865) |
| **Molecular Weight** | 26,216 Da |
| **OMIM** | X16863 mRNA |
| **3D Structure** | ModBase 3D Structure for O75015 |
| **Immunogen** | Recombinant Human Low affinity immunoglobulin gamma Fc region receptor III-B protein (18-125AA) |
| **Conjugation** | HRP |
| **Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Product Categories/Family for anti-FCGR3B antibody** | Immunology |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-FCGR3B antibody** | ELISA (EIA) |
| **Related Product Information for anti-FCGR3B antibody** | 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. |
| **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. |
| **Searchable Terms for FCGR3B purchase** | MBS7108865 is an antibody targeting FCGR3B. Also known as FCGR3B Antibody, HRP conjugated. Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCGR3B. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 132814489 |
| **NCBI GeneID** | 2215 |
| **NCBI Accession #** | NP_000561.3 |
| **UniProt Primary Accession #** | O75015 |
| **UniProt Related Accession #** | O75015 |
| **GenBank Nucleotide #** | NM_000570.4 |
| **NCBI Official Full Name** | low affinity immunoglobulin gamma Fc region receptor III-B isoform 2 |
| **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] |
| **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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