

FCGR2B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13987b**Specification**

FCGR2B Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P31994](#)

FCGR2B Antibody (C-term) Blocking peptide - Additional Information

Gene ID 2213

Other Names

Low affinity immunoglobulin gamma Fc region receptor II-b, IgG Fc receptor II-b, CDw32, Fc-gamma RII-b, Fc-gamma-RIIb, FcRII-b, CD32, FCGR2B, CD32, FCG2, IGFR2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13987b was selected from the C-term region of FCGR2B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FCGR2B Antibody (C-term) Blocking peptide - Protein Information

Name FCGR2B

Synonyms CD32, FCG2, IGFR2

Function

Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding to this receptor results in down-modulation of previous state of cell activation triggered via antigen receptors on B-cells (BCR), T-cells (TCR) or via another Fc receptor. Isoform IIB1 fails to mediate endocytosis or phagocytosis. Isoform IIB2 does not trigger phagocytosis.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Is the most broadly distributed Fc-gamma-receptor. Expressed in monocyte, neutrophils, macrophages, basophils, eosinophils, Langerhans cells, B-cells, platelets cells and placenta (endothelial cells). Not detected in natural killer cells

FCGR2B Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

FCGR2B Antibody (C-term) Blocking peptide - Images**FCGR2B Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene.

FCGR2B Antibody (C-term) Blocking peptide - References

Prokopec, K.E., et al. Clin. Immunol. 137(3):322-329(2010) Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010) Zhang, C.Y., et al. J. Biol. Chem. 285(44):34250-34258(2010) Niederer, H.A., et al. Hum. Mol. Genet. 19(16):3282-3294(2010) Guilabert, A., et al. J. Am. Acad. Dermatol. 63(1):161-163(2010)