10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FCGR3B Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8628c

Specification

FCGR3B Antibody (Center) Blocking Peptide - Product Information

Primary Accession O75015

FCGR3B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 2215

Other 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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8628c was selected from the Center region of human FCGR3B. 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.

FCGR3B Antibody (Center) Blocking Peptide - Protein Information

Name FCGR3B

Synonyms CD16B, FCG3, FCGR3, IGFR3

Function
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.

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor. Secreted Note=Secreted after cleavage

Tissue Location
Expressed specifically by polymorphonuclear leukocytes (neutrophils). Also expressed by stimulated eosinophils

FCGR3B Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

FCGR3B Antibody (Center) Blocking Peptide - Images

FCGR3B Antibody (Center) Blocking Peptide - Background

FCGR3B is a receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. It binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. It may serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.

FCGR3B Antibody (Center) Blocking Peptide - References

Gessner,J.E., et.al., J. Biol. Chem. 270 (3), 1350-1361 (1995)Ho,Y.P., et.al., J. Clin. Periodontol. (2009)