FCGR1B Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	FCGR1B, Blocking Peptide
Full Product Name	FCGR1B Antibody (C-term) Blocking Peptide
Product Gene Name	FCGR1B blocking peptide
Product Synonym Gene Name	IGFRB
Product Synonym Names	High affinity immunoglobulin gamma Fc receptor IB; IgG Fc receptor IB; Fc-gamma RIB; FcRIB; hFcgammaRIB; FCGR1B; IGFRB
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the C-term region of human FCGR1B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	FCGR1B peptide (MBS9228073) is used for blocking the activity of FCGR1B antibody (MBS9202692)
Molecular Weight	22,136 Da
OMIM	601502
Cellular Location	Cell membrane; Single-pass type I membrane protein
Related Product Information for FCGR1B blocking peptide	May bind to the Fc region of immunoglobulins gamma with a low affinity compared to FCGR1A. May function in the humoral immune response.
Other Notes	Small volumes of FCGR1B blocking peptide 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 FCGR1B purchase	MBS9228073 is a blocking peptide targeting FCGR1B. Also known as FCGR1B Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCGR1B. It may not necessarily be applicable to this product.

NCBI GI #	74760649
NCBI GeneID	2210
NCBI Accession #	Q92637.1
UniProt Primary Accession #	Q92637
UniProt Secondary Accession #	Q7KZ13; Q92638
UniProt Related Accession #	Q92637
NCBI Official Full Name	High affinity immunoglobulin gamma Fc receptor IB
NCBI Official Synonym Full Names	Fc fragment of IgG receptor Ib
NCBI Official Symbol	FCGR1B

NCBI Official Synonym Symbols	CD64b; IGFRB
UniProt Protein Name	High affinity immunoglobulin gamma Fc receptor IB
UniProt Synonym Protein Names	Fc-gamma RIB; FcRIB; hFcgammaRIB
Protein Family	High affinity immunoglobulin gamma Fc receptor
UniProt Gene Name	FCGR1B
UniProt Synonym Gene Names	IGFRB; IgG Fc receptor IB; FcRIB; hFcgammaRIB
UniProt Entry Name	FCGRB_HUMAN
NCBI Protein Information	high affinity immunoglobulin gamma Fc receptor IB
NCBI Summary for FCGR1B	Three distinct, but closely related classes of receptors that bind the Fc portion of IgG have been identified (Fcgamma RI, II and III). The FcgammaRI family consists of three closely related genes termed A, B, and C. This gene encodes the low affinity FcgammaRIB receptor that may play an important role in humoral immune response. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
UniProt Comments for FCGR1B	FCGR1B: May bind to the Fc region of immunoglobulins gamma with a low affinity compared to FCGR1A. May function in the humoral immune response. Belongs to the immunoglobulin superfamily. FCGR1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc.; Immunoglobulin superfamily; Membrane protein, integral Chromosomal Location of Human Ortholog: 1p11.2 Cellular Component: early endosome membrane; plasma membrane Biological Process: antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent; receptor-mediated endocytosis
Research Articles on FCGR1B	**1.** The increased CD64 expression during pregnancy in patients with multiple sclerosis is indicative of enhanced innate immune functions.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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