Tnfrsf13c Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TNFRSF13C, Blocking Peptide
Full Product Name	TNFRSF13C Peptide - C-terminal region
Product Gene Name	TNFRSF13C blocking peptide
Product Synonym Gene Name	BAFF-R; BAFFR; CD268; MGC138235; CVID4; BROMIX; prolixin
Sequence	PGISDATAPA WPPPGEDPGT TPPGHSVPVP ATELGSTELV TTKTAGPEQQ
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	TNFRSF13C peptide (MBS3241010) is used for blocking the activity of TNFRSF13C antibody (MBS3216110)
Molecular Weight	20kDa
OMIM	606269
Product Categories/Family for TNFRSF13C blocking peptide	Peptide
Applications Tested/Suitable for TNFRSF13C blocking peptide	Western Blot (WB)
Related Product Information for TNFRSF13C blocking peptide	This is a synthetic peptide designed for use in combination with anti-TNFRSF13C Antibody, made Target Description: B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of Baff in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival.
Other Notes	Small volumes of TNFRSF13C 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 TNFRSF13C purchase	MBS3241010 is a blocking peptide targeting TNFRSF13C. Also known as TNFRSF13C Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFRSF13C. It may not necessarily be applicable to this product.

NCBI GI #	16445027
NCBI GeneID	115650
NCBI Accession #	NP_443177
UniProt Primary Accession #	Q96RJ3

UniProt Related Accession #	Q96RJ3
GenBank Nucleotide #	NM_052945
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 13C
NCBI Official Synonym Full Names	TNF receptor superfamily member 13C
NCBI Official Symbol	TNFRSF13C
NCBI Official Synonym Symbols	BAFFR; CD268; CVID4; BAFF-R; BROMIX; prolixin
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 13C
UniProt Synonym Protein Names	B-cell-activating factor receptor; BAFF receptor; BAFF-R; BLyS receptor 3
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	TNFRSF13C
UniProt Synonym Gene Names	BAFFR; BR3; BAFF-R
UniProt Entry Name	TR13C_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 13C
NCBI Summary for TNFRSF13C	B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of Baff in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival. [provided by RefSeq, Jul 2008]
UniProt Comments for TNFRSF13C	BAFF-R: B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response. Defects in TNFRSF13C are the cause of immunodeficiency common variable type 4 (CVID4); also called antibody deficiency due to BAFFR defect. CVID4 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B-cells is usually in the normal range, but can be low. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc.; Cell cycle regulation; Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 22q13.1-q13.31 Cellular Component: integral to membrane; external side of plasma membrane Biological Process: B cell costimulation; B cell homeostasis; T cell costimulation; positive regulation of germinal center formation; positive regulation of B cell proliferation; positive regulation of T cell proliferation; positive regulation of interferon-gamma biosynthetic process Disease: Immunodeficiency, Common Variable, 2; Immunodeficiency, Common Variable, 4
Research Articles on TNFRSF13C	**1.** the B-cell receptor BR3 modulates cellular branching via Rac1 during neuronal migration
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