CMTM4 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	CMTM4, Blocking Peptide
Full Product Name	CMTM4 Blocking Peptide
Product Gene Name	CMTM4 blocking peptide
Product Synonym Names	CKLFSF4; CKLF-like MARVEL transmembrane domain-containing protein 4; Chemokine-like factor superfamily member 4
Host	Synthetic
Species Reactivity	Human, Mouse, Bovine
Form/Format	Lyophilized Powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	CMTM4 peptide (MBS8244235) is used for blocking the activity of CMTM4 antibody (MBS8242408)
Molecular Weight	19,690 Da
OMIM	607887
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Applications Tested/Suitable for CMTM4 blocking peptide	Blocking (BL)
Application Notes for CMTM4 blocking peptide	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Related Product Information for CMTM4 blocking peptide	MBS8244235 is a blocking peptide targeting CMTM4. Reactive in Human, Mouse, Bovine. Host: Synthetic. The peptide is used to block Anti-CMTM4 Antibody reactivity.
Other Notes	Small volumes of CMTM4 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CMTM4. It may not necessarily be applicable to this product.

NCBI GI #	34921813
NCBI GeneID	146223
NCBI Accession #	Q8IZR5.1
UniProt Primary Accession #	Q8IZR5
UniProt Secondary Accession #	Q52M40; Q8IZR4; Q8IZV1
UniProt Related Accession #	Q8IZR5
NCBI Official Full Name	CKLF-like MARVEL transmembrane domain-containing protein 4
NCBI Official Synonym Full Names	CKLF like MARVEL transmembrane domain containing 4

NCBI Official Symbol	CMTM4
NCBI Official Synonym Symbols	CKLFSF4
UniProt Protein Name	CKLF-like MARVEL transmembrane domain-containing protein 4
UniProt Synonym Protein Names	Chemokine-like factor superfamily member 4
Protein Family	CKLF-like MARVEL transmembrane domain-containing protein
UniProt Gene Name	CMTM4
UniProt Synonym Gene Names	CKLFSF4
UniProt Entry Name	CKLF4_HUMAN
NCBI Protein Information	CKLF-like MARVEL transmembrane domain-containing protein 4
NCBI Summary for CMTM4	This gene belongs to the chemokine-like factor gene superfamily, a novel family that is similar to the chemokine and the transmembrane 4 superfamilies of signaling molecules. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for CMTM4	CMTM4: a member of the chemokine-like factor gene superfamily, a novel family that is similar to the chemokine and the transmembrane 4 superfamilies of signaling molecules. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008] Protein type: Chemokine; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 16q21-q22.1 Cellular Component: extracellular space; integral to membrane Molecular Function: cytokine activity Biological Process: chemotaxis
Research Articles on CMTM4	**1.** Data show that CMTM4 might be an important gene involved in cell growth and cell cycle regulation.
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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