TNFSF15 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TNFSF15, Blocking Peptide
Full Product Name	TNFSF15 Peptide - C-terminal region
Product Gene Name	TNFSF15 blocking peptide
Sequence	Synthetic peptide located within the following region: CSEIRQAGRP NKPDSITVVI TKVTDSYPEP TQLLMGTKSV CEVGSNWFQP
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	TNFSF15 peptide (MBS3225080) is used for blocking the activity of TNFSF15 antibody (MBS3200260)
Molecular Weight	21kDa
OMIM	604052
Product Categories/Family for TNFSF15 blocking peptide	Peptide
Applications Tested/Suitable for TNFSF15 blocking peptide	Western Blot (WB)
Related Product Information for TNFSF15 blocking peptide	This is a synthetic peptide designed for use in combination with anti-TNFSF15 Antibody, made Target Description: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. Two transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of TNFSF15 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 TNFSF15 purchase	MBS3225080 is a blocking peptide targeting TNFSF15. Also known as TNFSF15 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFSF15. It may not necessarily be applicable to this product.

NCBI GI #	324072728
NCBI GeneID	9966
NCBI Accession #	NP_001191273.1
UniProt Primary Accession #	O95150
UniProt Related Accession #	O95150

GenBank Nucleotide #	NM_001204344.1
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 15 isoform VEGI-192
NCBI Official Synonym Full Names	TNF superfamily member 15
NCBI Official Symbol	TNFSF15
NCBI Official Synonym Symbols	TL1; TL1A; VEGI; TNLG1B; VEGI192A
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 15
UniProt Synonym Protein Names	TNF ligand-related molecule 1; Vascular endothelial cell growth inhibitor
Protein Family	Tumor necrosis factor ligand superfamily
UniProt Gene Name	TNFSF15
UniProt Synonym Gene Names	TL1; VEGI
UniProt Entry Name	TNF15_HUMAN
NCBI Protein Information	tumor necrosis factor ligand superfamily member 15
NCBI Summary for TNFSF15	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]
UniProt Comments for TNFSF15	TNFSF15: Receptor for TNFRSF25 and TNFRSF6B. Mediates activation of NF-kappa-B. Inhibits vascular endothelial growth and angiogenesis (in vitro). Promotes activation of caspases and apoptosis. Belongs to the tumor necrosis factor family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Cytokine; Membrane protein, integral; Apoptosis Chromosomal Location of Human Ortholog: 9q32 Cellular Component: extracellular space; integral to plasma membrane; plasma membrane; integral to membrane Molecular Function: death receptor binding; cytokine activity; tumor necrosis factor receptor binding; receptor binding Biological Process: caspase activation; cytokine metabolic process; activation of NF-kappaB-inducing kinase; immune response; signal transduction; positive regulation of cytokine secretion
Research Articles on TNFSF15	**1.** Study show that the inflammatory bowel disease (IBD)-risk haplotype at TNFSF15 is associated with decreased expression of the gene by peripheral blood monocytes in both healthy volunteers and IBD patients and suggests that genetically elevated TNFSF15 from monocytes or monocyte-derived cells may protect healthy individuals from the development of IBD.
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