VEGFC (VEGF3) Antibody (Center M263) Blocking Peptide

PRODUCT OVERVIEW

Product Name	VEGFC (VEGF3), Blocking Peptide
Full Product Name	VEGFC (VEGF3) Antibody (Center M263) Blocking peptide
Product Gene Name	VEGFC blocking peptide
Product Synonym Names	Vascular endothelial growth factor C; VEGF-C; Flt4 ligand; Flt4-L; Vascular endothelial growth factor-related protein; VRP; VEGFC
Form/Format	The synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml deionized water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the Center region of human VEGF3. 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	VEGFC (VEGF3) peptide (MBS9224505) is used for blocking the activity of VEGFC (VEGF3) antibody (MBS9205842)
Molecular Weight	46,883 Da
OMIM	601528
Cellular Location	Secreted.
Tissue Location	Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle, prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral blood lymphocyte
Related Product Information for VEGFC blocking peptide	Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.
Other Notes	Small volumes of VEGFC 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 VEGFC purchase	MBS9224505 is a blocking peptide targeting VEGFC. Also known as VEGFC (VEGF3) Antibody (Center M263) Blocking peptide.

ADDITIONAL DETAILS

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

NCBI GI #	1718154
NCBI GeneID	7424
NCBI Accession #	P49767.1
UniProt Primary Accession #	P49767
UniProt Secondary Accession #	B2R9Q8
UniProt Related Accession #	P49767
NCBI Official Full Name	Vascular endothelial growth factor C

NCBI Official Synonym Full Names	vascular endothelial growth factor C
NCBI Official Symbol	VEGFC
NCBI Official Synonym Symbols	VRP; Flt4-L; LMPH1D
UniProt Protein Name	Vascular endothelial growth factor C
UniProt Synonym Protein Names	Flt4 ligand; Flt4-L; Vascular endothelial growth factor-related protein; VRP
Protein Family	Vascular endothelial growth factor
UniProt Gene Name	VEGFC
UniProt Synonym Gene Names	VEGF-C; Flt4-L; VRP
UniProt Entry Name	VEGFC_HUMAN
NCBI Protein Information	vascular endothelial growth factor C
NCBI Summary for VEGFC	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors. [provided by RefSeq, Apr 2014]
UniProt Comments for VEGFC	VEGFC: Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors. Homodimer; non-covalent and antiparallel. Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle, prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral blood lymphocyte. Belongs to the PDGF/VEGF growth factor family. Protein type: Secreted, signal peptide; Cytokine; Motility/polarity/chemotaxis; Secreted; Cell cycle regulation Chromosomal Location of Human Ortholog: 4q34.3 Cellular Component: extracellular region Molecular Function: chemoattractant activity; protein binding Biological Process: induction of positive chemotaxis; platelet degranulation; positive regulation of cell proliferation; signal transduction; substrate-bound cell migration; vascular endothelial growth factor receptor signaling pathway Disease: Lymphedema, Hereditary, Id
Research Articles on VEGFC	**1.** PKM2 expression was correlated with VEGF-C expression, and combination of PKM2 and VEGF-C levels had the better prognostic significance in predicting the poor outcome of patients with breast cancer.
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