VEGFD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VEGFD, Polyclonal Antibody
Full Product Name	VEGFD (Vascular Endothelial Growth Factor D, VEGF-D, c-Fos-induced Growth Factor, FIGF, FIGF) (AP)
Product Gene Name	anti-VEGFD antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes human FIGF.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40,444 Da
Chromosome Location	Chromosome: X; NC_000023.10 (15363713..15402535, complement). Location: Xp22.31
OMIM	300091
3D Structure	ModBase 3D Structure for O43915
Immunogen	FIGF (NP_004460.1, 1-354aa) full-length human protein.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-VEGFD antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-VEGFD antibody	Western Blot (WB)
Application Notes for anti-VEGFD antibody	For maximum recovery of product, 11c7entrifuge the original vial after thawing and prior to removing the cap. Applications are based on unconjugated antibody.
Related Product Information for anti-VEGFD antibody	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C.
Other Notes	Small volumes of anti-VEGFD antibody 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 VEGFD purchase	MBS6505706 is an antibody targeting VEGFD. Also known as VEGFD (Vascular Endothelial Growth Factor D, VEGF-D, c-Fos-induced Growth Factor, FIGF, FIGF) (AP). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	4758378
NCBI GeneID	2277
NCBI Accession #	NP_004460.1
UniProt Primary Accession #	O43915
UniProt Secondary Accession #	B2R7Z3
UniProt Related Accession #	O43915
GenBank Nucleotide #	NM_004469.4
NCBI Official Full Name	vascular endothelial growth factor D preproprotein
NCBI Official Synonym Full Names	c-fos induced growth factor (vascular endothelial growth factor D)
NCBI Official Symbol	FIGF
NCBI Official Synonym Symbols	VEGFD; VEGF-D
UniProt Protein Name	Vascular endothelial growth factor D
UniProt Synonym Protein Names	c-Fos-induced growth factor
Protein Family	Vascular endothelial growth factor
UniProt Gene Name	FIGF
UniProt Synonym Gene Names	VEGFD; VEGF-D; FIGF
UniProt Entry Name	VEGFD_HUMAN
NCBI Protein Information	vascular endothelial growth factor D
NCBI Summary for VEGFD	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus. [provided by RefSeq, Feb 2011]
UniProt Comments for VEGFD	VEGFD: Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation 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. Belongs to the PDGF/VEGF growth factor family. Protein type: Cytokine; Secreted, signal peptide; Motility/polarity/chemotaxis; Secreted Chromosomal Location of Human Ortholog: Xp22.31 Cellular Component: extracellular space; membrane; extracellular region Molecular Function: protein homodimerization activity; growth factor activity; platelet-derived growth factor receptor binding; vascular endothelial growth factor receptor 3 binding; vascular endothelial growth factor receptor binding; chemoattractant activity Biological Process: cell proliferation; platelet activation; platelet degranulation; positive chemotaxis; positive regulation of cell division; positive regulation of cell proliferation; angiogenesis; blood coagulation; vascular endothelial growth factor receptor signaling pathway; cell differentiation; induction of positive chemotaxis

Research Articles on VEGFD	**1.** Serum vascular endothelial growth factor (VEGF)-D is significantly elevated in patients with lymphangioleiomyomatosis and is a better diagnostic marker than matrix metalloproteinase (MMP)-2, MMP-9 and ACE.
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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