

Mouse anti-Human VEGF-C Monoclonal Antibody | anti-VEGF-C antibody

Mouse Anti-Human VEGF-C

CATALOG # AAA79091	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

VEGF-C; Monoclonal Antibody; Mouse Anti-Human VEGF-C; Anti-human VEGF-C (#9E7); VRP; FLT4-L; VEGF-related protein; anti-VEGF-C antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	IgG _{2a} ; #9E7
Purity/Purification	Protein G purified
Form/Format	Lyophilized
Sequence Length	419
Applicable Applications for anti-VEGF-C antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	recombinant human VEGF-C (RT# 300-079)
Preparation	This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with recombinant human VEGF-C.
Buffer	PBS
Reconstitution	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml
Preparation and Storage	The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 degree C. Frozen aliquots are stable for at least 6 months when stored at -20 degree C.

IMAGES

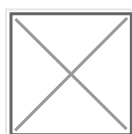


IHC (Immunohistochemistry)

IHC with paraffin-embedded sections of human colon carcinoma tissue. Wroclaw Medical University Department of Histology and Embryology.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-VEGF-C antibody	VEGF-C, also known as Vascular Endothelial Growth Factor Related Protein (VRP), is a recently discovered VEGF growth factor family member that is most closely related to VEGF-D. The human VEGF-C cDNA encodes a pre-protein of 416 amino acids residues. It is almost identical to the mouse VEGF-C protein. Similar to VEGF-D, VEGF-C has a VEGF homology domain spanning the middle third of the precursor molecule and long N- and C-terminal extensions. In adults, VEGF-C is highly expressed in heart, placenta, ovary and small intestine. Recombinant human VEGF-C, lacking the N- and C-terminal extensions and containing only the middle VEGF homology domain, forms primarily non-covalently linked dimers. This protein is a ligand for both VEGFR-2/KDR and VEGFR-3/FLT-4. Since VEGFR-3 is strongly expressed in lymphatic endothelial cells, it has been postulated that VEGF-C is involved in the regulation of the growth and/or differentiation of lymphatic endothelium. Although recombinant human VEGF-C is also a mitogen for vascular endothelial cells, it is much less potent than VEGF-A. The recombinant human VEGF-C contains 115 amino acids residues and was fused to a His-tag (6x His) at the C-terminal end. As a result of glycosylation VEGF-C migrates as an 18-24 kDa protein in SDS-PAGE under reducing conditions.
References	1. Joukov et al., EMBO J 15:290, 1996 2. Olofsson et al., Curr Opin Biotech 10:528, 1999 3. Kukk et al., Development 122:3829, 1996

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885653
NCBI GeneID	7424
NCBI Accession #	NP_005420.1
NCBI GenBank Nucleotide #	NM_005429.2
UniProt Accession #	P49767; B2R9Q8
NCBI Official Full Name	vascular endothelial growth factor C preproprotein
NCBI Official Synonym Full Names	vascular endothelial growth factor C
NCBI Official Symbol	VEGFC
NCBI Official Synonym Symbols	VRP; Flt4-L
NCBI Protein Information	vascular endothelial growth factor C; VEGF-C; FLT4 ligand DHM; vascular endothelial growth factor-related protein
UniProt Protein Name	Vascular endothelial growth factor C
UniProt Gene Name	VEGFC
UniProt Synonym Gene Names	VEGF-C; Flt4-L; VRP
UniProt Entry Name	VEGFC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.