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VEGF3 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP11951a

Specification

VEGF3 Antibody (N-term) Blocking peptide - Product Information

Primary Accession P49767

VEGF3 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 7424

Other Names
Vascular endothelial growth factor C, VEGF-C, Flt4 ligand, Flt4-L, Vascular endothelial growth factor-related protein, VRP, VEGFC

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VEGF3 Antibody (N-term) Blocking peptide - Protein Information

Name VEGFC

Function
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 KDR/VEGFR2 and FLT4/VEGFR3 receptors.

Cellular Location
Secreted.

Tissue Location
Expressed in the spleen (PubMed:9247316, PubMed:8700872). Expressed in the lymph node, thymus, appendix and bone marrow (PubMed:9247316). Expressed in the heart, placenta, skeletal muscle, ovary and small intestine (PubMed:8700872, PubMed:8617204) Expressed in the prostate, testis and colon (PubMed:8700872)

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VEGF3 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

VEGF3 Antibody (N-term) Blocking peptide - Images

VEGF3 Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a member of theplatelet-derived growth factor/vascular endothelial growth factor(PDGF/VEGF) family, is active in angiogenesis and endothelial cellgrowth, and can also affect the permeability of blood vessels.This secreted protein undergoes a complex proteolytic maturation,generating multiple processed forms which bind and activate VEGFR-3receptors. Only the fully processed form can bind and activateVEGFR-2 receptors. This protein is structurally and functionallysimilar to vascular endothelial growth factor D. [provided byRefSeq].

VEGF3 Antibody (N-term) Blocking peptide - References

Chen, X., et al. Cancer Sci. 101(11):2384-2390(2010)Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Deguchi, K., et al. Anticancer Res. 30(6):2361-2366(2010)Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :