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VEGFC Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM1886B

Specification

VEGFC Antibody - Product Information

Application	**WB,E**
Primary Accession	P49767
Other Accession	NP_005420.1
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,K**
Calculated MW	**46883**

VEGFC Antibody - 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

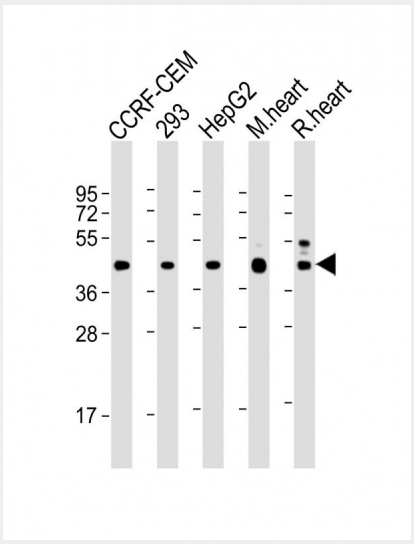
Target/Specificity
This VEGFC monoclonal antibody is generated from mouse immunized with VEGFC recombinant protein.

Dilution
WB~~1:1000

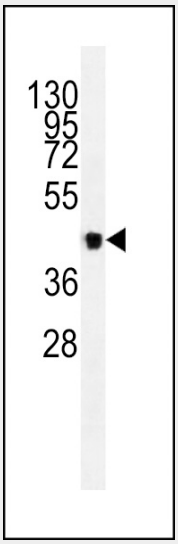
Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
VEGFC Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



All lanes : Anti-VEGFC at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: 293 whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: mouse heart lysate Lane 5: rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysates from 293, CEM cell line and mouse heart, rat heart

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VEGFC Antibody - 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
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

VEGFC Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

tissue lysates (from left to right), using VEGFC Antibody(Cat. # AM1886b). AM1886b was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35µg per lane.

VEGFC Antibody - Background

The protein encoded by this gene is a member of the
platelet-derived growth factor/vascular endothelial growth factor
(PDGF/VEGF) family, is active in angiogenesis and endothelial cell
growth, 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-3
receptors. Only the fully processed form can bind and activate
VEGFR-2 receptors. This protein is structurally and functionally
similar to vascular endothelial growth factor D. [provided by
RefSeq].

VEGFC Antibody - 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) :