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Flt4
Mouse Anti-mouse VEGFR3 Antagonistic mAb

Catalog No.	CMV130	**Quantity:**	200 µg

Alternate Names: Flt4, FMS-like tyrosine kinase 4, Chy, Flt-4, VEGFR-3

Description: Mouse Anti-mouse VEGFR3 Antagonistic monoclonal antibody. The mAb was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with mouse VEGFR-3 N-terminal recombinant protein.

VEGFR-3, also known as FLT4, is a member of the Tyr protein kinase family. The extracellular portion of VEGFR-3 contains 7 immunoglobulin (Ig)-like domains and the cytoplasmic portion contains a protein kinase domain. FLT4 regulates angiogenesis and lymphangiogenesis, its ligands are VEGF-C and D and its binding is mediated by the 2nd and 3rd Ig-like domains of FLT4. During fetal development VEGFR-3 is expressed on endothelial cells, however, in the adult mice, the vascular endothelial cells lose VEGFR-3 expression, but the lymphatic endothelium expresses it constitutively. In addition, VEGFR -3 expression can be induced in tumors with active angiogenesis.

Gene ID: 14257

Specificity: Mouse VEGFR3

Host: Mouse

Immunogen: Mouse VEGFR3 N-terminal recombinant protein

Isotype: IgG1

Formulation: Lyophilized from a 0.2 µm sterile filtered solution in PBS

Purification: Protein G affinity chromatography

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute with sterile PBS.

Applications: Western Blot
Immunohistochemistry
The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store lyophilized antibody at -80°C. Reconstituted antibody is stable for six months in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Mouse skin endothelial cells (sENDs) were treated with or without rat VEGFC (50 ng/ml) in the absence or presence of 5 or 20 µg/ml CMV130 for 30 mins and the phospho-VEGFR3 was detected with IP-Western for pTyrosine.

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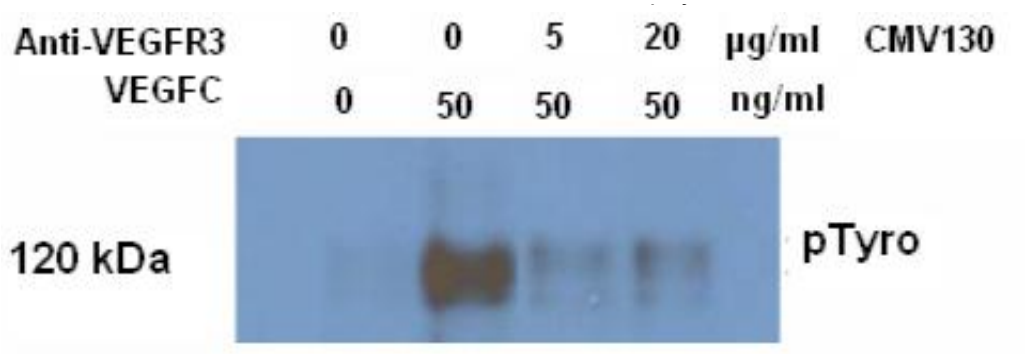

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