

FLT4

Mouse Anti-Human VEGFR-3 / FLT4 (Clone 1) mAb

Catalog No.	CMV017	Quantity:	100 µg
Alternate Names:	Vascular endothelial growth factor receptor 3, VEGFR-3, Fms-like tyrosine kinase 4, FLT-4, Tyrosine-protein kinase receptor FLT4		
Description:	<p>This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified recombinant human Vascular Endothelial Growth Factor Receptor 3 (recombinant human VEGFR-3/FLT-4) extracellular domain.</p> <p>The VEGFR-3 cDNA encodes a 1298 amino acid (aa) residue precursor protein with a 24 aa residue signal peptide. Mature VEGFR-3 is composed of a 751 aa residue extracellular domain, a 22 aa residue transmembrane domain and a 482 aa residue cytoplasmic domain. Both VEGF-C and VEGF-D have been shown to bind and activate VEGFR3 (Flt-4). The Flt-4 gene is widely expressed in the early embryo but becomes restricted to the lymphatic endothelial a latter stage of development. It is important for lymphangiogenesis.</p>		
UniProt ID:	P35916		
Specificity:	Human VEGFR3		
Immunogen:	Recombinant human soluble VEGFR-3 protein extracellular domain		
Isotype:	Mouse IgG1		
Clone:	9D9		
Formulation:	Lyophilized from PBS, pH 7.4 without preservative		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add sterile water to the vial to fully solubilize the antibody to a concentration of 0.1-1.0 mg/ml.		
Applications:	Western Blot: suggested concentration 1-5 µg/ml ELISA: suggested concentration 1-5 µg/ml IF/IHC: suggested concentration 1-10 µg/ml FACS: suggested concentration 1-5 µg/ml The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	The lyophilized antibody is stable for at least 1 year at -20°C to -80°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C to -80°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots. Avoid repeated freeze-thaw cycles.		



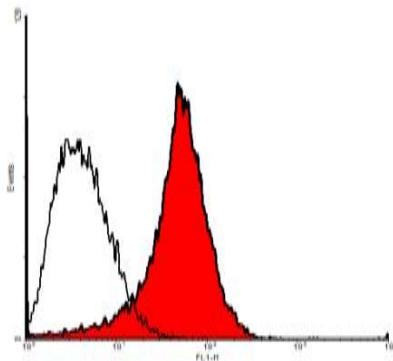
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FACS analysis with primary human dermal lymphatic endothelial cells (HDLEC)



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