

FLT1

Rabbit Anti-Human VEGFR1/FLT1 pAb

Catalog No.	CPV004A CPV004B	Quantity:	100 µg 200 µg
Alternate Names:	Vascular Endothelial Growth Factor Receptor 1, FLT, FLT-1, VEGFR-1, VEGFR1, fms-related tyrosine kinase 1		
Description:	<p>Rabbit Anti-human VEGFR1/FLT1 polyclonal antibody.</p> <p>Endothelial cells express three different vascular endothelial growth factor (VEGF) receptors, belonging to the family of receptor tyrosine kinases (RTKs). They are named VEGFR-1 (Flt-1), VEGFR-2 (KDR/Flk-1), VEGFR-3 (Flt-4). Their expression is almost exclusively restricted to endothelial cells, but VEGFR-1 can also be found on monocytes, dendritic cells and on trophoblast cells. The flt-1 gene was first described in 1990. The receptor contains seven immunoglobulin-like extracellular domains, a single transmembrane region and an intracellular split tyrosine kinase domain. Compared to VEGFR-2 the Flt-1 receptor has a higher affinity for VEGF but a weaker signaling activity. VEGFR-1 thus leads not to proliferation of endothelial cells, but mediates signals for differentiation. Interestingly a naturally occurring soluble variant of VEGFR-1 (sVEGFR-1) was found in HUVE supernatants in 1996, which is generated by alternative splicing of the flt-1 mRNA.</p>		
Gene ID:	2321		
Host:	Rabbit		
Immunogen:	Recombinant human soluble Flt1 (D1-5).		
Isotype:	IgG		
Formulation:	Lyophilized from PBS.		
Purification:	Protein A chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1-1.0 mg/mL.		
Applications:	<p>Western blot: Use at 1-5 µg/ml</p> <p>ELISA: Use at 2.5 µg/ml</p> <p>Immunoprecipitation: Use 1-5 µg/ml</p>		
Storage & Stability:	Lyophilized antibody is stable at room temperature for up to one month but is best stored at -20°C. After reconstitution, stable for two weeks in working aliquots at 2-8°C. Frozen aliquots are stable for at least six months when stored at -20°C. Avoid repeated freeze-thaw cycles.		

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