

KDR

Rabbit Anti-human VEGFR2 / KDR Affinity Purified pAb

Catalog No.	CPV114	Quantity:	50 µg
Alternate Names:	Vascular endothelial growth factor receptor 2, VEGFR-2, CD309, Fetal liver kinase 1, FLK-1, Kinase insert domain receptor, KDR, Protein-tyrosine kinase receptor flk-1, CD309		
Description:	<p>VEGF R1 (Flt-1), VEGF R2 (KDR/Flk-1), and VEGF R3 (Flt-4) belong to the class III subfamily of receptor tyrosine kinases (RTKs). All three receptors contain seven immunoglobulin-like repeats in their extracellular domain and kinase insert domains in their intracellular region. They are best known for regulating VEGF family-mediated vasculogenesis, angiogenesis, and lymphangiogenesis. They are also mediators of neurotrophic activity and regulators of hematopoietic development. Human VEGF R2 is thought to be the primary inducer of VEGF-mediated blood vessel growth, while VEGF R3 plays a significant role in VEGF-C and VEGF-D-mediated lymphangiogenesis.</p> <p>The immunogen sKDR_{D1-7} is produced as a non-chimeric protein in a monomeric form. The soluble receptor protein consists of all 7 extracellular domains, which contain all the information necessary for high affinity ligand binding. The receptor monomers have a mass of approximately 116kDa.</p>		
UniProt ID:	P35968		
Gene ID:	3791		
Specificity:	Recognizes native and recombinant human VEGFR2		
Isotype:	Rabbit IgG		
Immunogen:	Recombinant human soluble extracellular domain of KDR (D1-7, 110 kDa)		
Formulation:	Lyophilized from PBS, pH 7.4, without preservative		
Purification:	Antigen-affinity chromatography with immobilized recombinant soluble VEGFR-2		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to the vial to fully solubilize the antibody to a concentration of 1.0 mg/ml.		
Applications:	ELISA: Use at 5-15 µg/ml Western Blot: Use at 1-5 µg/ml Immunoprecipitation: Use 1-2 µg/ml FACS: Use at 1-5 µg/ml IHC: Use at 2-10 µg/ml		

The optimal concentration should be determined by the user for each specific application.

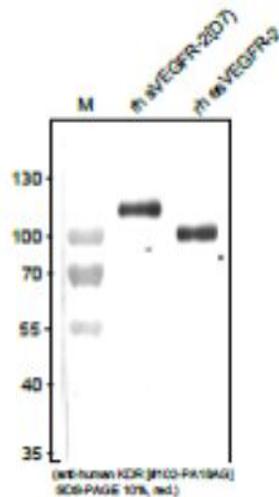


Storage & Stability:

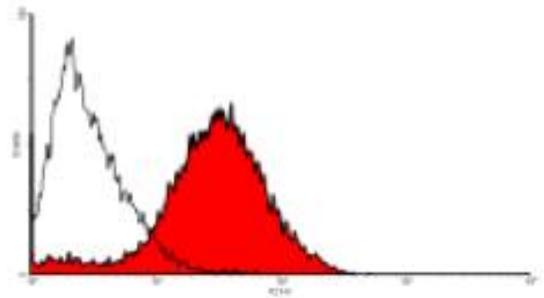
Store lyophilized antibody at -20°C to -80°C for up to 1 year. Following sterile reconstitution, antibody is stable for up to 6 months at 2-8°C or stored in working aliquots at -20°C to -80°C for more than 6 months. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.

Avoid repeated freeze-thaw cycles.

Western blot using CPV114 with 10% SDS-PAGE under reducing conditions



FACS analysis with primary HUVEC



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

