

**Kdr**

## Rat Anti-mouse VEGFR2 Agonistic mAb

<b>Catalog No.</b>	CMV127	<b>Quantity:</b>	200 µg
<b>Alternate Names:</b>	Vascular endothelial growth factor receptor 2, VEGFR2, CD309, Fetal liver kinase 1, FLK-1, Protein-tyrosine kinase receptor fltk-1		
<b>Description:</b>	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. The antibody will bind near the ligand binding site of the receptor and has agonistic activity.		
<b>UniProt ID:</b>	P35918		
<b>Gene ID:</b>	16542		
<b>Specificity:</b>	Mouse VEGFR2		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	Mouse VEGFR2 N-terminal fragment (aa 30-200)		
<b>Isotype:</b>	IgG2a		
<b>Clone:</b>	3D09		
<b>Cross Reactivity:</b>	No cross-reactivity with human VEGFR-1.		
<b>Formulation:</b>	Lyophilized		
<b>Purification:</b>	Protein G affinity chromatography		
<b>Reconstitution:</b>	Reconstitute with 0.4 ml sterile PBS for a final concentration of 0.5 mg/ml.		
<b>Cross-Reactivity:</b>	No cross-reactivity with mouse VEGFR1		
<b>Applications:</b>	VEGFR2 activation: This antibody can induce hVEGFR2 phosphorylation in HUVECs at > 5.0 µg/mL. Western Blot Immunoprecipitation		

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

**Storage & Stability:** 2-8°C for short term storage. Store as supplied for up to 1 year at -20°C to -80°C. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C.

**Avoid repeated freeze/thaw cycles.**

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

