

Rat Anti-mouse VEGFR2 Antagonistic mAb

Catalog No.	CMV129	Quantity:	200 µg
Alternate Names:	KDR, CD309, Fetal liver kinase 1, FLK1, Krd-1, Ly73, NYK, VEGF receptor-2		
Description:	VEGF R1 (Flt-1), VEGF R2 (KDR/Fik-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.		
UniProt ID:	P35918		
Gene ID:	16542		
Specificity:	Mouse VEGFR2 (~220-230 kDa)		
Host:	Rat		
Immunogen:	Mouse VEGFR2 extracellular domain		
Isotype:	IgG1		
Clone:	MAB0701		
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 400 µl sterile PBS for a final concentration of 500 µg/ml.		
Cross-Reactivity:	No cross-reactivity with mouse VEGFR1		
Applications:	Attenuating VEGF-induced VEGFR2 phosphorylation in mouse endothelial cells Western Blot Immunoprecipitation		
	The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Lyophilized antibody is stable for 2 years at -80°C. Reconstituted antibody is stable for six months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		

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

