

Vegfa

Rat Anti-Mouse Vascular Endothelial Growth Factor A mAb

Catalog No.	CMV105	Quantity:	100 µg
Alternate Names:	Vegfa; Vpf; Vegf; Vegf120; Vegf164; Vegf188		
Description:	Mouse VEGF is a potent growth and angiogenic cytokine. It stimulates proliferation and survival of endothelial cells, and promotes angiogenesis and vascular permeability. Expressed in vascularized tissues, VEGF plays a prominent role in normal and pathological angiogenesis. Substantial evidence implicates VEGF in the induction of tumor metastasis and intra-ocular neovascular syndromes. VEGF signals through the three receptors; fms-like tyrosine kinase (flt-1), KDR gene product (the murine homolog of KDR is the flk-1 gene product) and the flt4 gene product.		
UniProt ID:	Q00731		
Gene ID:	22339		
Specificity:	Recognizes mouse VEGF164 and VEGF120		
Host:	Rat		
Immunogen:	Recombinant murine VEGF-A (isoform 164), a 39.0 kDa disulfide-linked homodimeric protein consisting of two 164 amino acid polypeptide chains.		
Isotype:	IgG2		
Clone:	2G02		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in PBS		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.		
Applications:	Western Blot: (1:400-800) Immunohistochemistry: (1:50-100) The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store lyophilized antibody at -80°C. Reconstituted antibody is stable for at least 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.



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