

## Vegfa

### Rat Anti-Mouse Vascular Endothelial Growth Factor A mAb

<b>Catalog No.</b>	CMV105	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	GD-VEGF, VAS, Vasculotropin, VEGF-A, VPF		
<b>Gene ID:</b>	22339		
<b>Description:</b>	<p>Rat Anti-Mouse VEGFA monoclonal antibody.</p> <p>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.</p>		
<b>Specificity:</b>	Recognizes mouse VEGF164 and VEGF120		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	Recombinant murine VEGF (isoform 164), a 39.0 kDa disulfide-linked homodimeric protein consisting of two 164 amino acid polypeptide chains.		
<b>Isotype:</b>	IgG2		
<b>Clone:</b>	2G02		
<b>Formulation:</b>	Lyophilized from a 0.2 µm sterile filtered solution in PBS		
<b>Purification:</b>	Protein G affinity chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.		
<b>Applications:</b>	Western Blot: (1:400-800) Immunohistochemistry: (1:50-100) The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Store lyophilized antibody at -80°C. Reconstituted antibody is stable for at least six months in working aliquots at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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