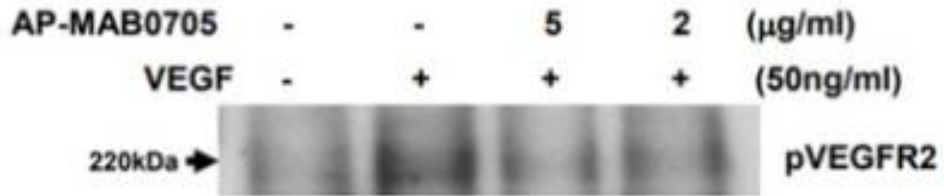


Vegfa

Mouse Anti-Mouse VEGF (Clone MAB0705) Neutralizing mAb

Catalog No.	CMV122	Quantity:	100 µg
Alternate Names:	Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF		
Description:	<p>This antibody is a mouse monoclonal antibody that binds specifically to VEGF, and it can neutralize the bioactivity of VEGF.</p> <p>Vascular Endothelial Growth Factor A (VEGFA) is a member of the PDGF/VEGF growth factor family and is often found as a disulfide linked homodimer. VEGFA is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis, endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of VEGFA is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in VEGFA have been associated with proliferative and non-proliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.</p>		
UniProt ID:	Mouse Q00731 Human P15692		
Gene ID:	Mouse 22339 Human 7422		
Specificity:	Recognizes Mouse and Human VEGFA		
Host:	Mouse		
Immunogen:	Recombinant mouse VEGF, corresponding to a region within amino acids 27 and 190.		
Isotype:	IgG1		
Clone:	MAB0705		
Endotoxin:	< 1 EU/ml		
Formulation:	Lyophilized from sterile filtered solution in PBS		
Purification:	Protein G affinity chromatography		
Purity:	> 95% by SDS-PAGE		
Applications:	Neutralization, Western Blot		
Reconstitution:	Centrifuge vial briefly before opening. Reconstitute with 500 µl sterile PBS to a final concentration of 200 µg/ml. Do not vortex.		
Storage & Stability:	Store lyophilized antibody for at least 1 year at -20°C to -80°C. Upon reconstitution, store working aliquots at -20°C to -80°C for at least 6 months. Avoid repeated freeze/thaw cycles.		





Mouse endothelial cells were stimulated with mouse VEGF for 20 mins in the absence or presence of AP-MAB0705 with indicated concentration. The level of p-VEGFR2 was detected using anti-phospho-VEGF2.

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