

For Research Use Only

VEGFA Recombinant monoclonal antibody

Catalog Number: 87404-1-RR



Basic Information

Catalog Number: 87404-1-RR	GenBank Accession Number: GeneID (NCBI): 7422	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	UNIPROT ID: P15692	CloneNo.: 252453F7
Source: Rabbit	Full Name: vascular endothelial growth factor A	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Observed MW: 27 kDa	
Immunogen Catalog Number: HZ-1204		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HUVEC cells,
Species Specificity: human	

Background Information

VEGFA, also named as VEGF or VPF, belongs to the PDGF/VEGF growth factor family. It is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. VEGFA induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. It binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. Defects in VEGFA are associated with microvascular complications of diabetes type 1 (MVC1). VEGFA has 17 isoforms with MW from 16 to 45 kDa. Some isoforms have homodimer forms (e.g.; VEGFA189 38 kDa or VEGFA110 34 kDa). VEGF-A exists in at least seven homodimeric isoforms. The monomers consist of 121, 145, 148, 165, 183, 189, or 206 amino acids (PMID:15602010).

Storage

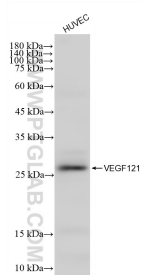
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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Selected Validation Data



HUVEC cells were subjected to SDS PAGE followed by western blot with 87404-1-RR (VEGF121/VEGF165 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.