

For Research Use Only

VEGFA Recombinant monoclonal antibody, PBS Only

Catalog Number: 87404-1-PBS



Basic Information

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

Applications

Tested Applications:
WB, Indirect ELISA

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 (MVCD1). 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

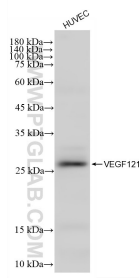
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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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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. This data was developed using the same antibody clone with 87404-1-PBS in a different storage buffer formulation.