

For Research Use Only

VEGFA Recombinant antibody

Catalog Number: 84687-2-RR



Basic Information

Catalog Number: 84687-2-RR	GenBank Accession Number: NM_001171628.1	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7422	CloneNo.: 242072G9
Source: Rabbit	UNIPROT ID: P15692-9	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: vascular endothelial growth factor A	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Recombinant protein,
Species Specificity: human	

Background Information

VEGFA, also named 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

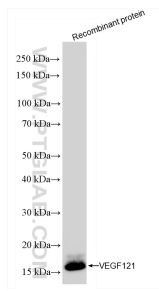
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Selected Validation Data



Recombinant protein VEGF 121 (Eg1263) was subjected to SDS PAGE followed by western blot with 84687-2-RR (VEGFA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.