

Mouse anti-Human VEGF Monoclonal Antibody | anti-VEGF antibody

Anti-VEGF Antibody

CATALOG # AAA249051	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

VEGF; Monoclonal Antibody; Anti-VEGF Antibody; L VEGFA; MVCD1; Vascular permeability factor; VEGF A; VEGFA; VPF; anti-VEGF antibody

PRODUCT SPECIFICATIONS

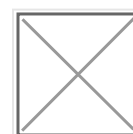
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Purity/Purification	>=95% as determined by SDS-PAGE Protein A+G Purified
Form/Format	Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Sequence Length	171
Applicable Applications for anti-VEGF antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Vascular endothelial growth factor A
Preparation and Storage	Store at -20 degree C for 24 months. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

MCF-7 cells were subjected to SDS PAGE followed by western blot with AAA249051 (VEGF antibody) at dilution of 1:2000



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach cancer tissue slide using AAA249051 (VEGF antibody) at dilution of 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-VEGF antibody

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 a cause of susceptibility to microvascular complications of diabetes type 1(MVCD1). VEGFA has 13 isoforms with MW 16kd to 45kd. Some isoforms has homodimer form, such as VEGFA189(38kd), VEGFA110(34kd). VEGFA is a 34kd to 42kd, dimeric, disulfide-bound glycoprotein. 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). This antibody can recognize all the isoforms of VEGFA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001191313.1
NCBI GenBank Nucleotide #	NM_001204384.1
UniProt Accession #	P15692
Molecular Weight	45 kDa
NCBI Official Full Name	vascular endothelial growth factor A isoform q
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VPF; VEGF; MVCD1
NCBI Protein Information	vascular endothelial growth factor A
UniProt Protein Name	Vascular endothelial growth factor A
UniProt Gene Name	VEGFA
UniProt Synonym Gene Names	VEGF; VEGF-A; VPF
UniProt Entry Name	VEGFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vegf-antibody-immunohistochemistry-western-blot-elisa/249051>