

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

Mouse Anti-Human VEGF-A

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA79113	Mouse	Human	Neutralization Assay, Western Blot

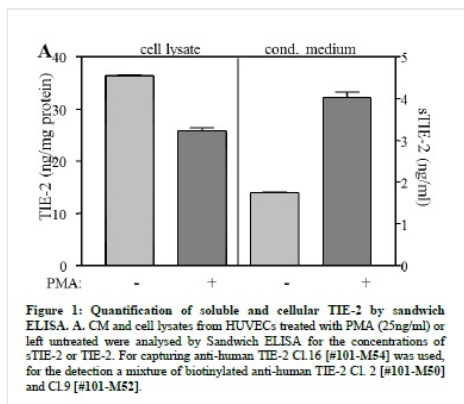
PRODUCT SYNONYMS

VEGF-A; Monoclonal Antibody; Mouse Anti-Human VEGF-A; Anti-human VEGF-A (#3 (6D3)); Vascular endothelial growth factor-A; VPF; anti-VEGF-A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	IgG1; 3 (6D3)
Purity/Purification	Protein G purified
Form/Format	Lyophilized ; H ₂ O, Trehalose, Na-Phosphate, Polysorbart20
Sequence Length	412
Applicable Applications for anti-VEGF-A antibody	NTRL (Neutralization Assay), WB (Western Blot)
Immunogen	recombinant human VEGF ₁₆₅
Preparation	Monoclonals were produced with the help of BALB/c mice using recombinant human VEGF165.
Reconstitution	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
Preparation and Storage	The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 degree C. Frozen aliquots are stable for at least 6 months when stored at -20 degree C.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-VEGF-A antibody	Human Vascular Endothelial Growth Factor VEGF165, a 23kDa protein consisting of 165 amino acid residues, is produced as a homodimer. VEGF is a polypeptide growth factor and a member of the platelet-derived growth factor family. It is a specific mitogen for vascular endothelial cells and a strong angiogenic factor in vivo. Two high-affinity tyrosine kinase receptors for VEGF165 have been identified, VEGFR-1 (FLT-1), and VEGFR-2 (KDR). In addition to its action as a mitogen it is a potent vascular permeability factor (VPF) in vivo. VEGF165 is also a chemo attractant molecule for monocytes and endothelial cells. 5 different proteins are generated by differential splicing: VEGF121, VEGF145, VEGF165, VEGF189 and VEGF206. The most abundant form is VEGF165. Whereas VEGF121 and VEGF165 are secreted proteins, VEGF145, VEGF189 and VEGF206 are strongly cell-associated. The isoforms VEGF145, VEGF165 and VEGF189 bind to heparin with high affinity. VEGF165 is apparently a homo-dimer, but preparations of VEGF165 show some heterogeneity on SDS gels, depending on the secretion of different glycosylation patterns. All dimeric forms have similar biological activities but their bioavailability is very different. There is good evidence that different cells and tissues express different VEGF isoforms. The other members of this increasing growth factor family are VEGF-B, -C, -D and -E. Another member is the Placenta growth factor PlGF.
References	1. Breier et al., Dev 114:521, 1992 2. Fiebig et al., Eur J Biochem 211:19, 1993 3. Flamme et al., Dev Biol 162:699, 1995 4. Kremer et al., Cancer Res 57:3852, 1997

NCBI AND UNIPROT INFORMATION

NCBI GI #	76781480
NCBI GeneID	7422
NCBI Accession #	NP_001165097
NCBI GenBank Nucleotide #	NM_001171626
UniProt Accession #	P15692; O60720; O75875; Q074Z4; Q16889; Q5UB46; Q6P0P5; Q96KJ0; Q96L82; Q96NW5; Q9H1W8; B5BU86
NCBI Official Full Name	vascular endothelial growth factor A isoform a
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; vascular permeability factor
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/vegfa-antibody-clone-igg1-3-6d3-neutralization-assay-western-blot-elisa/79113>