

Mouse anti-Human VEGF (Vascular Endothelial Growth Factor) Monoclonal Antibody | anti-VEGF antibody

VEGF (Vascular Endothelial Growth Factor)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215251	Mouse	Human	Immunohistochemistry, ELISA

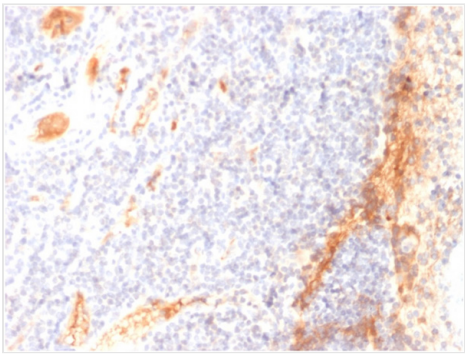
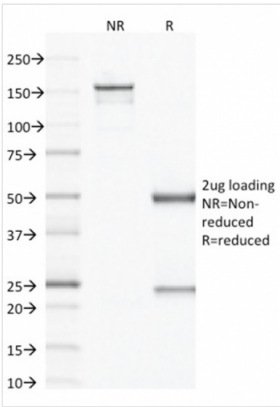
PRODUCT SYNONYMS

VEGF (Vascular Endothelial Growth Factor); Monoclonal Antibody; MVCD1; Vascular Endothelial Growth Factor A (VEGF-A); Vascular Permeability Factor (VPF); VEGFA; anti-VEGF antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	VG1
Specificity	This MAb recognizes proteins of 19-22kDa (reducing) and 38kDa-44kDa (non-reducing), identified as various isoforms of Vascular Endothelial Growth Factor or Vascular Permeability Factor (VEGF/VPF). It is highly specific to VEGF, which is a homodimeric, disulfide-linked glycoprotein with a close homology to platelet-derived growth factor (PDGF). There are multiple isoforms of VEGF containing 206-, 189-, 165-, and 121-amino acid residues. The smaller two isoforms, VEGF165 and VEGF121, are secreted proteins and act as diffusible agents, whereas the larger two remain cell associated. VEGF/VPF plays an important role in angiogenesis, which promotes tumor progression and metastasis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	171
Applicable Applications for anti-VEGF antibody	IHC (Immunohistochemistry), ELISA
Positive Control	Tumor cells in astrocytomas, breast or ovarian carcinomas.
Immunogen	Human VEGF189 recombinant protein
Cellular Localization	Cytoplasmic, Cell Surface and Extracellular (Secreted)
Hu-chromosome Location	6p12
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with VEGF Mouse Monoclonal Antibody (VG1).

SDS-PAGE
SDS-PAGE Analysis Purified VEGF Mouse Monoclonal Antibody (VG1). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Berse, B., et al. 1992. Vascular permeability factor (vascular endothelial growth factor) gene is expressed differentially in normal tissues, macrophages and tumors. Mol. Biol. Cell 3: 211-220
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001191313.1
NCBI GenBank Nucleotide #	NP_001191313.1
UniProt Accession #	P15692
Molecular Weight	19-22kDa (reducing) and 38kDa-44kDa (non-reducing)
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.