



Anti-Human VEGF-B (#6S15)

20230310DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M857
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with human VEGF-B167 recombinant protein). The IgG1 fraction of culture supernatant was purified by Protein G affinity chromatography.

Target Background

Synonyms (Target):	vascular endothelial growth factor B; VEGFB; VRF; VEGFL
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VEGF-B, a member of the VEGF family, is a potent growth and angiogenic cytokine. It promotes DNA synthesis in endothelial cells, helps regulate angiogenesis and vascular permeability, and inhibits apoptosis in certain smooth muscle cells and neurons. VEGF-B is expressed in all tissues except the liver. It forms cell surfaced-associated disulfide linked homodimers and can form heterodimers with VEGF-A. There are two known isoforms, formed by alternative splicing, which have been designated VEGF-B167 and VEGF-B186. Both forms have identical amino-terminal sequences encoding a "cysteine knot" like structural motif, but differ in their carboxyl-terminal domains. Both VEGF-B isoforms signal only through the VEGFR1 receptor. Recombinant human VEGF-B is a 38.0 kDa disulfide-linked homodimeric protein consisting of two 167 amino acid polypeptide chains.

Database References Target

Protein RefSeq:	NP_003368.1
Uniprot ID:	P49765
mRNA RefSeq:	NM_003377.4

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#6S15)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	human VEGF-B 186 recombinant protein
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!