

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human VEGF _{165b} in direct ELISAs and Western blots. Recognizes an epitope within a 9 amino acid sequence at the C-terminus of human VEGF _{165b} . In direct ELISAs and Western blots, no cross-reactivity with recombinant human
Source	Monoclonal Mouse IgG ₁ Clone # 56-1
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	KLH-conjugated human VEGF _{165b} synthetic peptide TCRSLTRKD Accession # AAL27435
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunofluorescence	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

VEGF_{165b} is the protein resulting from an mRNA splice variant of VEGF. Alternative exon usage results in a 165 amino acid product that is identical to VEGF₁₆₅ except for 6 unique amino acids at the C-terminus. VEGF_{165b} inhibits proliferation and migration of endothelial cells and is down-regulated in renal cell carcinomas.

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