

DESCRIPTION

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| 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 (rh) VEGF ₂₀₆ , rhVEGF-B ₁₆₇ , rhVEGF-B ₁₈₆ , rhVEGF-C, or rhVEGF-D is observed. |
| 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 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. |

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.

| | Recommended Concentration | Sample |
|-----------------------------|---------------------------|--|
| Western Blot | 1 µg/mL | Recombinant Human VEGF _{165b} (Catalog # 3045-VE) |
| Immunofluorescence | | Woolard, J. <i>et al.</i> (2004) <i>Canc. Res.</i> 64 :7822. |
| Immunohistochemistry | | Bates, D.O. <i>et al.</i> (2006) <i>Clinical Sci.</i> 110 :575. |

PREPARATION AND STORAGE

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| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

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.