

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 (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.

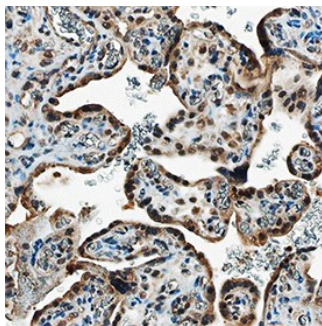
APPLICATIONS

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.	

DATA

Immunohistochemistry



VEGF_{165b} in Human Placenta. VEGF_{165b} was detected in immersion fixed paraffin-embedded sections of human placenta using Mouse Anti-Human VEGF_{165b} Monoclonal Antibody (Catalog # MAB3045) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to syncytiotrophoblasts. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

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	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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.