Active Recombinant Human VEGF165 protein, His-Avi-tagged, Biotinylated

Cat. No. VEGF165-562HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human VEGF165 protein(Ala 27 - Arg 191), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala 27 - Arg 191
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human VEGF R2, His Tag at 2 μg/mL (100 μL/well) can bind Biotinylated Human VEGF165, His,Avitag with a linear range of 2-39 ng/mL. Immobilized Anti-VEGF MAb, Human IgG1 (Avastin) at 5 μg/mL (100 μL/well) can bind Biotinylated Human VEGF165, His,Avitag with a linear range of 1-15.6 ng/mL. Immobilized Human VEGF R2, His Tag at 2 μg/mL (100 μL/well), can bind pre-mixed increasing concentrations of Bevacizumab and 0.05 μg/mL (100 μL/well) Biotinylated Human VEGF165, His,Avitag with a half maximal inhibitory concentration (IC50) of 0.74 μg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 22.4 kDa (monomer). As a result of glycosylation, the protein migrates as 25-33 kDa (monomer) under reducing (R)

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	condition, and 42-55 kDa (homodimer) under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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