

FITC-Labeled Human VEGF165 Protein

Cat. No. VEG-HM465F

Description

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|-------------------------|--|
| Source | Recombinant FITC-Labeled Human VEGF165 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ala27-Arg191. |
| Accession | P15692-4 |
| Molecular Weight | The protein has a predicted MW of 22.2 kDa. Due to glycosylation, the protein migrates to 28-33 kDa under reduced (R) condition, 45-55 kDa under Non reducing (N) condition based on Tris-Bis PAGE result. |
| Wavelength | Excitation Wavelength: 490 nm Emission Wavelength: 520 nm |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

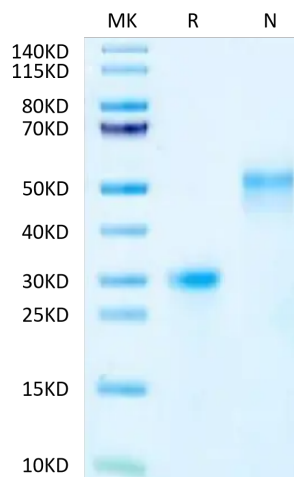
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Vascular endothelial growth factor (VEGF or VEGF-A), also known as vascular permeability factor (VPF), is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. VEGF165 appears to be the most abundant and potent isoform, followed by VEGF121 and VEGF189.

Assay Data

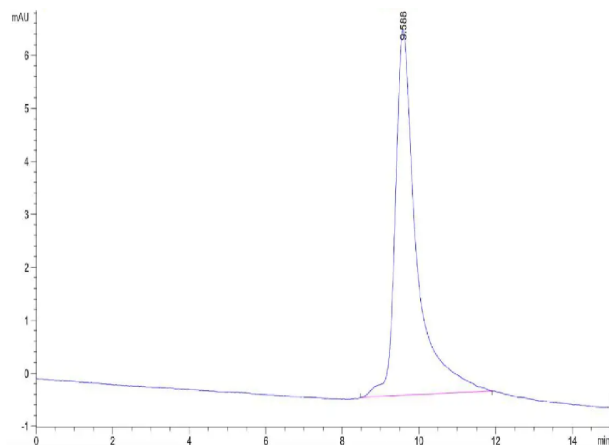
Tris-Bis PAGE



FITC-Labeled Human VEGF165 on Tris-Bis PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



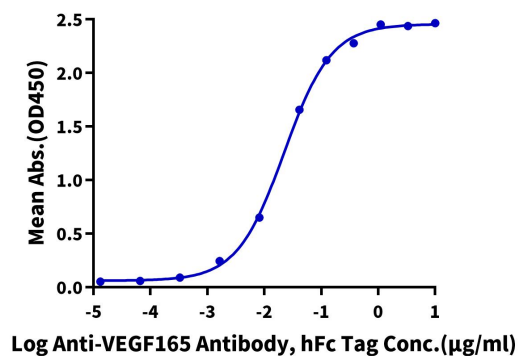
The purity of FITC-Labeled Human VEGF165 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

FITC-Labeled Human VEGF165, His Tag ELISA

0.02µg FITC-Labeled Human VEGF165, His Tag Per Well



Immobilized FITC-Labeled Human VEGF165, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-VEGF165 Antibody, hFc Tag with the EC50 of 22.3ng/ml determined by ELISA.