

# FITC-Labeled Human VEGF165 Protein

Cat. No. VEG-HM465F



## Description

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 Bis-Tris 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 Bis-Tris PAGE

## Formulation and Storage

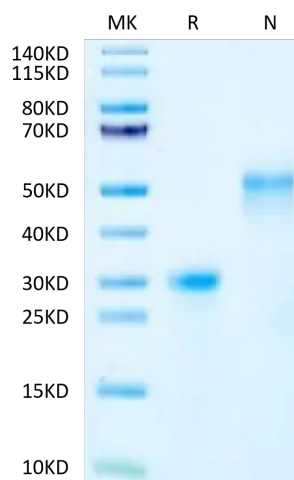
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4) or PBS,100M L-Arginine (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

### Bis-Tris PAGE

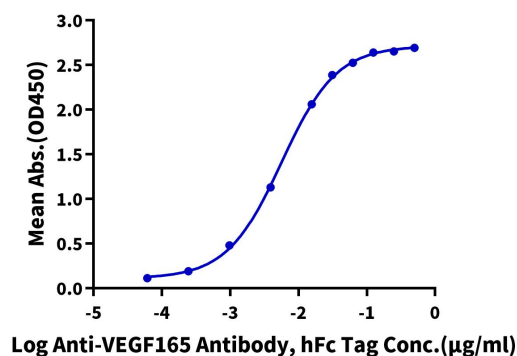


FITC-Labeled Human VEGF165 on Bis-Tris PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95%.

### ELISA Data

#### FITC-Labeled Human VEGF165, His Tag ELISA

0.1µg FITC-Labeled Human VEGF165, His Tag Per Well



Immobilized FITC-Labeled Human VEGF165, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-VEGF165 Antibody, hFc Tag with the EC50 of 5.7ng/ml determined by ELISA.