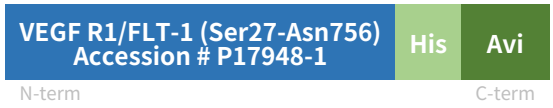
Rev05
Update: Aug,11,2025

DATASHEET

VEGF R1/FLT-1[Biotin], His&Avi, Human

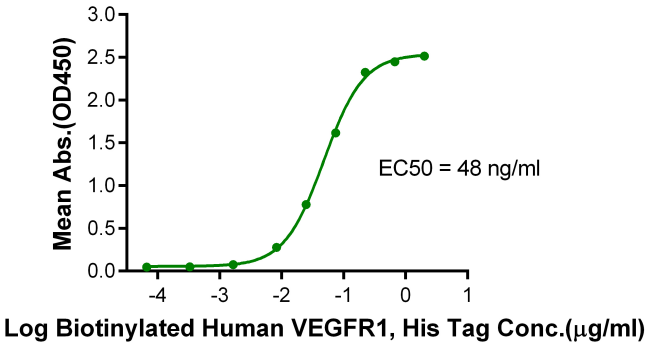
Cat. No.: Z03969

Product Introduction

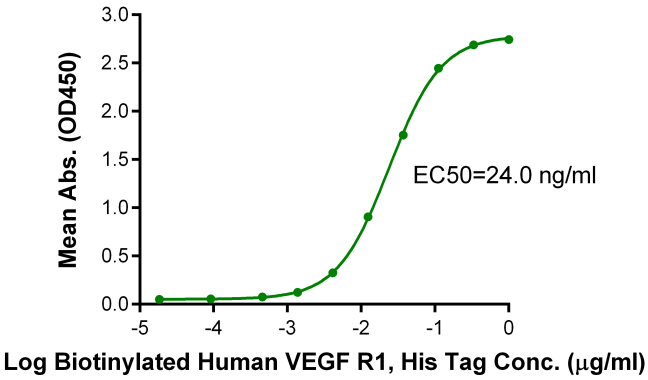
Species	Human
Protein Construction	
Conjugate	Biotin
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Immobilized Human VEGF165 at 1 μg/ml (100μl/Well) on the plate can bind VEGF R1/FLT-1[Biotin], His&Avi, Human (Cat.No.: Z03969)
Expression System	HEK293
Theoretical Molecular Weight	85.1 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 100-120 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 μm filtered solution in PBS, (pH 7.4).
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O more than 100 μg/ml.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples

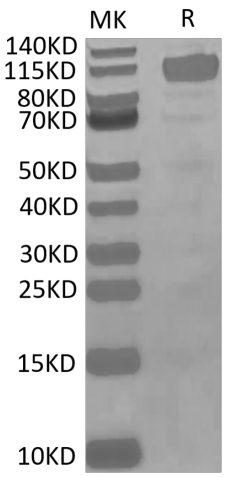
GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188



Immobilized Human PGF at 0.5 mg/ml(100 ml/Well) on the plate. Dose response curve for VEGF R1/FLT-1[Biotin], His&Avi, Human, His Tag with the EC50 of 48 ng/ml determined by ELISA.



Immobilized Human VEGF165, No Tag at 1 μg/ml (100 μl/well) on the plate. Dose response curve for VEGF R1/FLT-1[Biotin], His & Avi, Human with the EC50 of 24.0 ng/ml determined by ELISA.



VEGF R1/FLT-1[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Background

Target Background : Vascular endothelial growth factor receptor 1(VEGFR1), also known as Flt-1, is a type I transmembrane glycoprotein of receptor tyrosine kinases (RTKs) family. VEGFR1 acts as a cell-surface receptor for VEGFA, VEGFB and PGF. It plays an important role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration and cancer cell invasion.

Synonyms : FLT; FLT1; Flt-1; FRT; VEGF R1; VEGFR1

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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