

RP02541B

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Biotinylated Recombinant Human VEGFR-2/KDR/CD309 Protein

Catalog No.: RP02541B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3791	P35968-1

Tags

C-His&Avi

Synonyms

CD309; KDR; VEGFR; VEGFR2; VEGFR-21; FLK1; KRD1; Ly73

Product Information

Source

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Background

Tyrosine-protein kinase that acts as a cell-surface receptor for VEGFA, VEGFB and PGF, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. The tyrosine kinase receptor vascular endothelial growth factor receptor 2 (VEGFR2) is a key regulator of angiogenesis.

Basic Information

Description

Biotinylated Recombinant Human VEGFR-2/KDR/CD309 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala20-Glu764) of Human VEGFR-2/KDR/CD309 fused with a His and Avi tag at the C-terminal.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

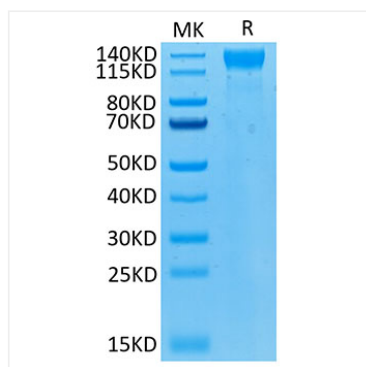
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Contact

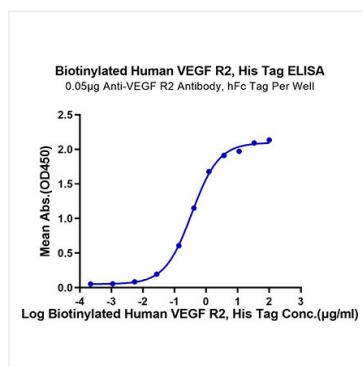


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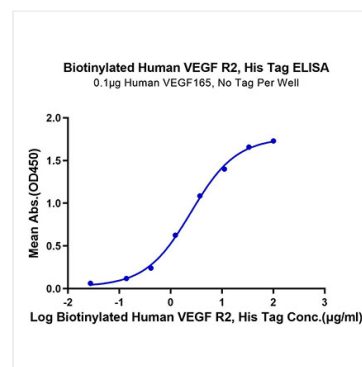
Validation Data



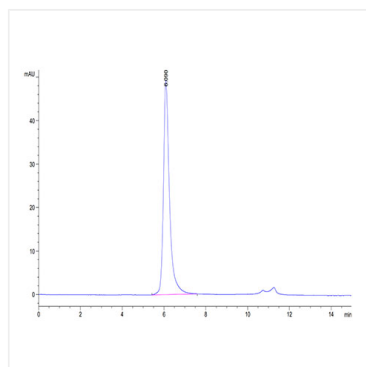
Biotinylated Recombinant Human VEGFR-2/KDR/CD309 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-VEGF R2 Antibody, hFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human VEGF R2, His Tag with the EC_{50} of 0.35μg/ml determined by ELISA.



Immobilized Human VEGF165, No Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Human VEGF R2, HisTag with the EC_{50} of 2.5μg/ml determined by ELISA.



The purity of Biotinylated Human VEGF R2 is greater than 95% as determined by SEC-HPLC.