

RP00434B

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Biotinylated Recombinant Human c-Kit/CD117 Protein

Catalog No.: RP00434B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3815	P10721-2

Tags

C-His&Avi

Synonyms

SCFR; PBT; CD117; ckit; c-kit; EC 2.7.10; EC 2.7.10.1; KIT

Product Information

Source

Centrifuge the vial 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 SDS-PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Background

The c-kit proto-oncogen (CD 117) has been shown to be present in several cell types including normal and neoplastic hemopoietic cells. Among normal BM cells, CD117 expression has been found in about half of the CD34 precursors including progenitors committed to the erythroid, granulo-monocytic, and megakaryocytic cell lineages.

Basic Information

Description

Biotinylated Recombinant Human c-Kit/CD117 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln26-Pro520) of Human CD117 (Accession #P10721-2) fused with a C-His&Avi tag at the C-terminus.

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.

Reconstitution

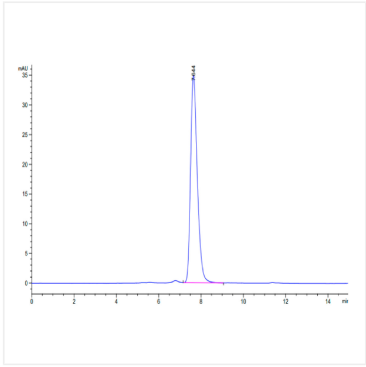
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Contact

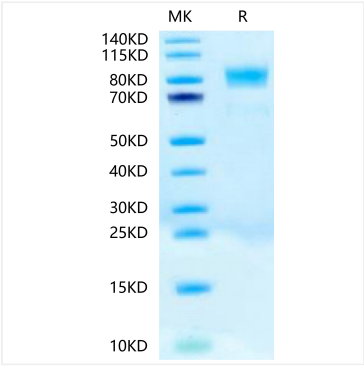


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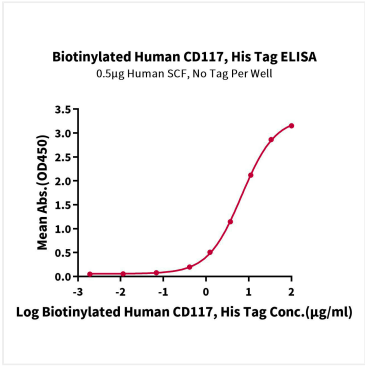
Validation Data



The purity of Biotinylated Human CD117 is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human c-Kit/CD117 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human SCF, No Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CD117, His Tag with the EC₅₀ of 6.8 µg/mL determined by ELISA.