

Biotinylated Recombinant Human KLRB1/CD161 Protein

Catalog No.: RP00429B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3820	Q12918-1

Tags

C-His&Avi

Synonyms

KLRB1; CLEC5B; NKR-P1A; NKR-P1A;
HNKR-P1a; CD161; Ly59; NKR; NKR-P1;
NKR-P1; NKR-P1ANKR

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
21.4 kDa	41-45 kDa

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.

Reconstitution

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.

Background

CD161 (NKR-P1) is a lectin-like receptor present on NK cells and rare T-cell subsets. We have observed CD161 expression in some cases of T-cell prolymphocytic leukemia (T-PLL) and found it to be useful in follow-up and detection of disease after treatment.

Basic Information

Description

Biotinylated Recombinant Human KLRB1/CD161 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln67-Ser225) of Human KLRB1/CD161 (Accession #Q12918-1) 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.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Operational Notes

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

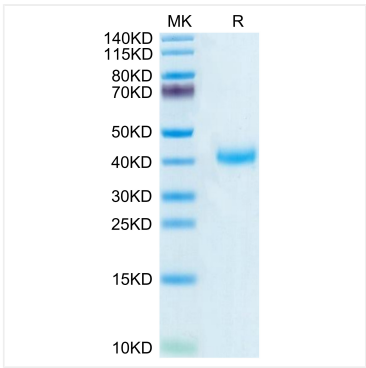
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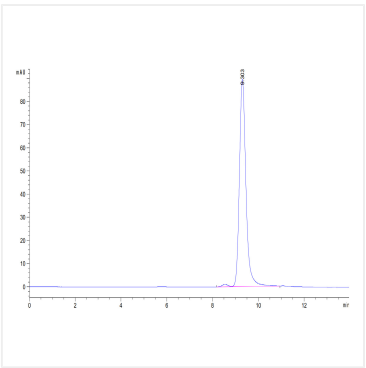
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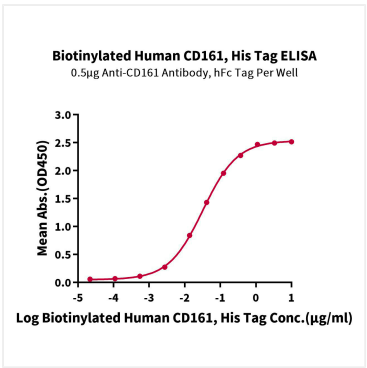
Validation Data



Biotinylated Recombinant Human KLRB1/CD161 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human CD161 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-CD161 Antibody, hFc Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CD161, His Tag with the EC₅₀ of 32.5ng/mL determined by ELISA.