

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; NKRP1A; NKR-P1A; HNKR-P1a; CD161; Ly59; NKR; NKRP1; NKR-P1; NKRP1ANKR

Product Information

Source

HEK293 cells

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

Purification

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CD161 (NKRP1) 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

The product is shipped at ambient temperature. 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.

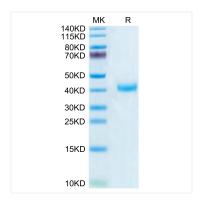
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

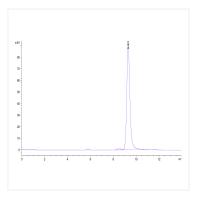
Operational Notes

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

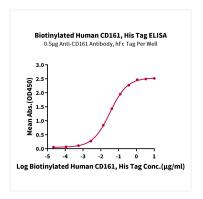
Validation Data



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 μ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Human CD161, His Tag with the EC₅₀ of 32.5ng/mL determined by ELISA.