

RP00426

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Recombinant Human KLRB1/CD161 Protein

Catalog No.: RP00426

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3820	Q12918-1

Tags

C-hFc

Synonyms

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

Product Information

Source

HEK293 cells

Purification

> 95% by SDS-
PAGE ; > 95% 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.

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

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-hFc tag at the C-terminus.

Bio-Activity

Storage

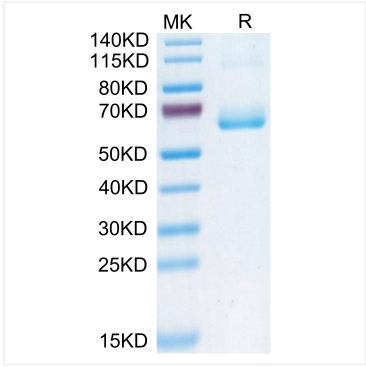
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

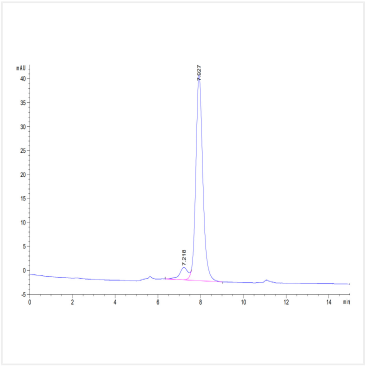


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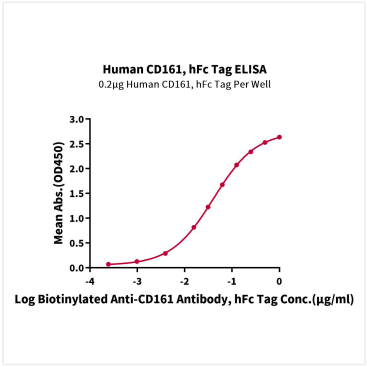
Validation Data



Human CD161 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human CD161 is greater than 93% as determined by SEC-HPLC.



Immobilized Human CD161, hFc Tag at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Anti-CD161 Antibody, hFc Tag with the EC₅₀ of 40.7ng/mL determined by ELISA.