

# Human CD161 Protein

Cat. No. CD1-HM261



## Description

<b>Source</b>	Recombinant Human CD161 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln67-Ser225.
<b>Accession</b>	Q12918-1
<b>Molecular Weight</b>	The protein has a predicted MW of 45.2 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

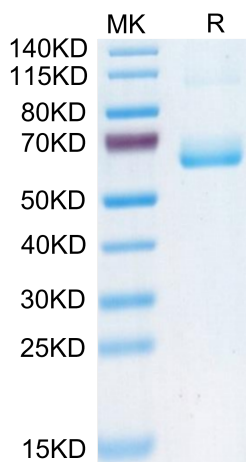
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CD161 (NKR1) 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.

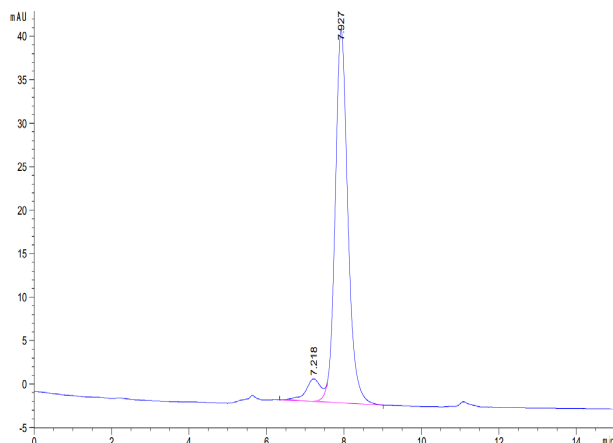
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



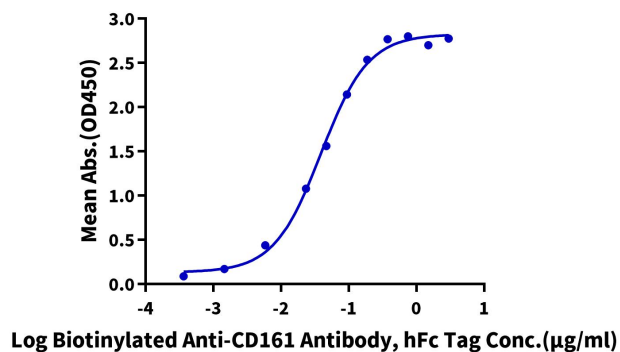
The purity of Human CD161 is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human CD161, hFc Tag ELISA**

0.2µg Human CD161, hFc Tag Per Well



Immobilized Human CD161, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CD161 Antibody, hFc Tag with the EC50 of 39.1ng/ml determined by ELISA (QC Test).