

# Biotinylated Cynomolgus CD161 Protein

Cat. No. CD1-CM461B

Description	
Source	Recombinant Biotinylated Cynomolgus CD161 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln67-Leu227.
Accession	XP_005570142.1
Molecular Weight	The protein has a predicted MW of 21.5 kDa. Due to glycosylation, the protein migrates to 37-42 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

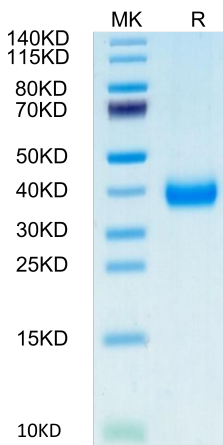
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

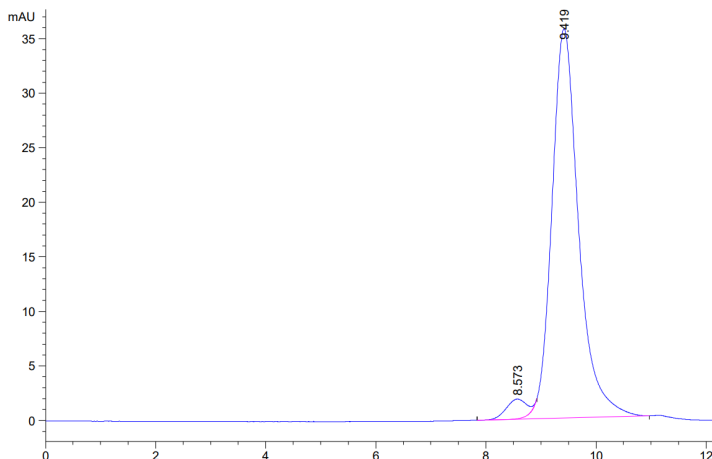
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



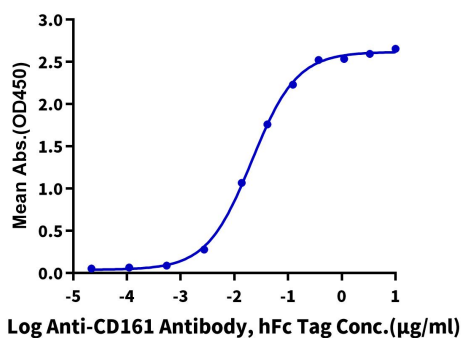
The purity of Biotinylated Cynomolgus CD161 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated Cynomolgus CD161, His Tag ELISA**

0.05µg Biotinylated Cynomolgus CD161, His Tag Per Well



Immobilized Biotinylated Cynomolgus CD161, His Tag at 0.5µg/ml (100µl/Well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD161 Antibody, hFc Tag with the EC50 of 21.2ng/ml determined by ELISA.