

# Biotinylated Human CD160 Protein

Cat. No. CD1-HM460B

## Description

<b>Source</b>	Recombinant Biotinylated Human CD160 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Leu158.
<b>Accession</b>	O95971-1
<b>Molecular Weight</b>	The protein has a predicted MW of 17.7 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

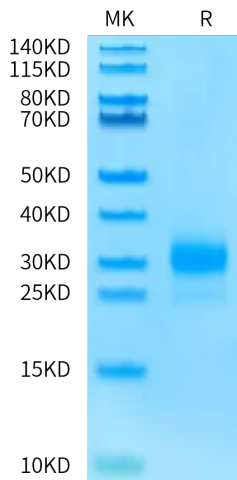
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CD160 (also Natural killer cell receptor BY55) is a 27-30 kDa member of the Ig superfamily. In human, it is expressed principally on nonmyeloid hematopoietic cells. CD160 antigen is a receptor on immune cells capable of delivering stimulatory or inhibitory signals that regulate cell activation and differentiation. Exists as a GPI-anchored and as a transmembrane form, each likely initiating distinct signaling pathways via phosphoinositide 3-kinase in activated NK cells and via LCK and CD247/CD3 zeta chain in activated T cells.

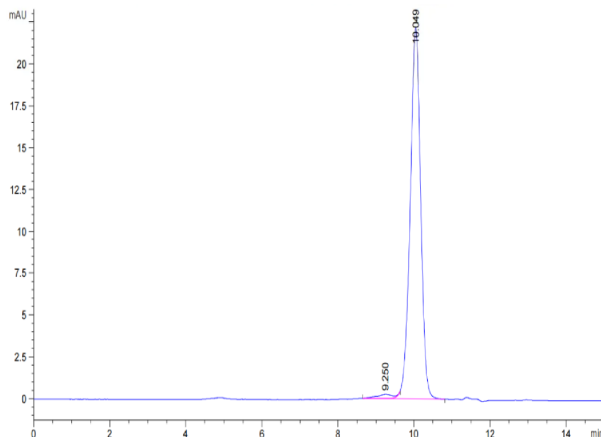
## Assay Data

### Bis-Tris PAGE



Biotinylated Human CD160 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Biotinylated Human CD160 is greater than 95% as determined by SEC-HPLC.

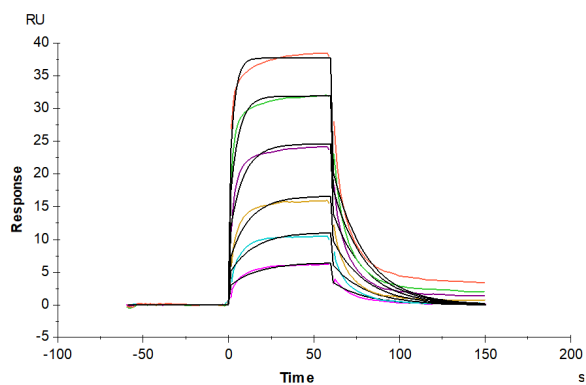
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## Assay Data

### SPR Data



Human HVEM, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human CD160, His Tag with an affinity constant of 0.72  $\mu\text{M}$  as determined in SPR assay (Biacore T200).