

Human CD160 Protein

Cat. No. CD1-HM260

Description

Source	Recombinant Human CD160 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly25-Leu158.
Accession	O95971-1
Molecular Weight	The protein has a predicted MW of 41.3 kDa. Due to glycosylation, the protein migrates to 50-60 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 0.22 μm 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 $\mu\text{g}/\text{ml}$ 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

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 to deliver 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 phosphoinositol 3-kinase in activated NK cells and via LCK and CD247/CD3 zeta chain in activated T cells.

Assay Data

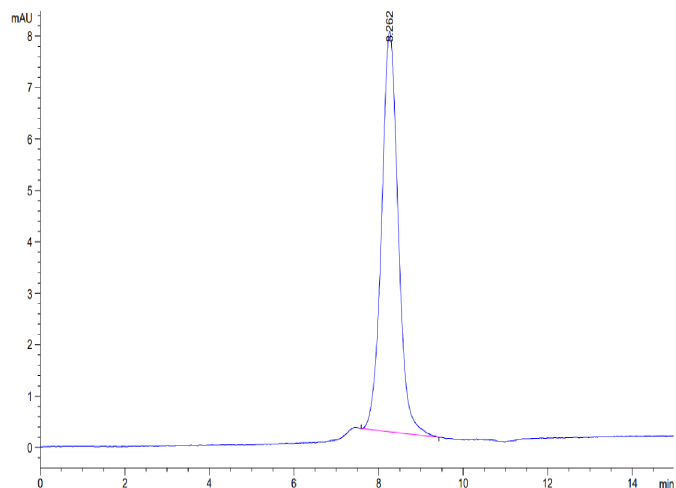
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

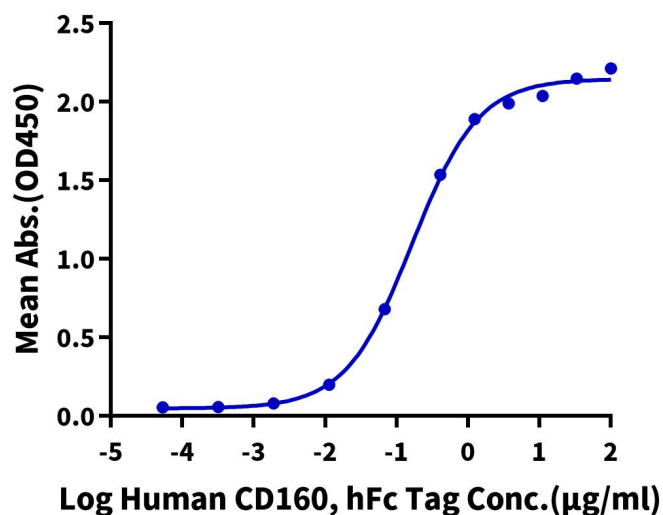


The purity of Human CD160 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD160, hFc Tag ELISA

0.2µg Human HVEM, His Tag Per Well



Immobilized Human HVEM, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD160, hFc Tag with the EC50 of 0.17µg/ml determined by ELISA.