

Human CD160 Protein

Cat. No. CD1-HM260

Description

Source	Recombinant Human CD160 Protein is expressed from Expi293 with hFc tag at the C-terminal. 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	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 do not repeated 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 phosphoinositol 3-kinase in activated NK cells and via LCK and CD247/CD3 zeta chain in activated T cells.

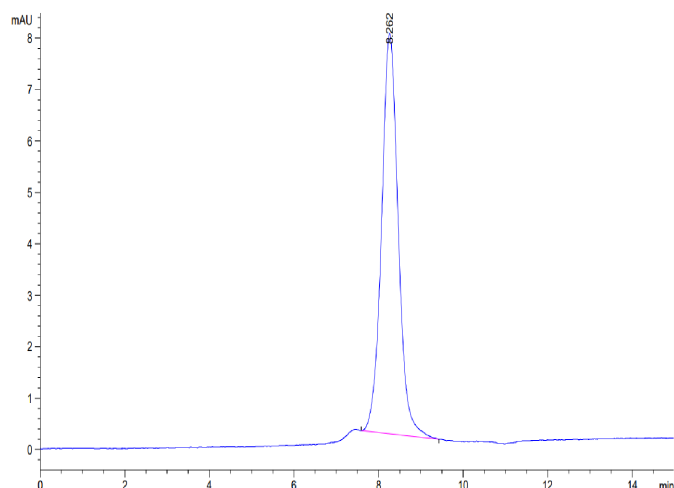
Assay Data

Tris-Bis PAGE



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

SEC-HPLC

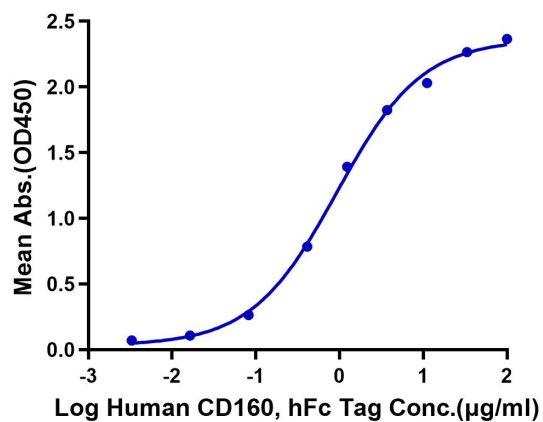


The purity of Human CD160 is greater than 95% as determined by SEC-HPLC.

Assay Data

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 0.93µg/ml determined by ELISA.