

Bioactive

HuPro®

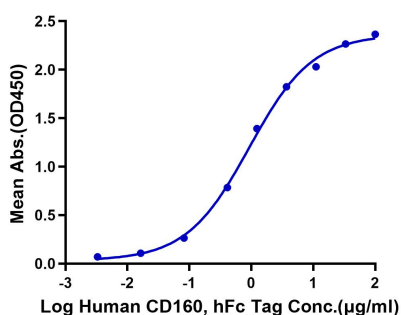
CD160 (Human) Recombinant Protein

Catalog # P9865

Size 100 ug

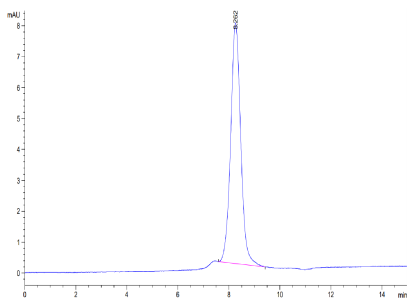
Applications

Human CD160, hFc Tag ELISA
0.2µg Human HVEM, His Tag Per Well



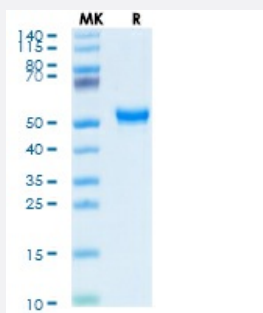
Enzyme-linked Immunoabsorbent Assay

Immobilized Human HVEM, His Tag at 2 ug/mL (100 uL/Well) on the plate. Dose response curve for Human CD160, hFc Tag with the EC50 of 0.93 ug/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human CD160 (O95971-1, Gly25-Leu158) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
Sequence	Gly25-Leu158
Host	Human
Theoretical MW (kDa)	41.3
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 0.93 ug/mL, measured by ELISA at 2 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD160 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD160 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human HVEM, His Tag at 2 ug/mL (100 uL/Well) on the plate. Dose response curve for Human CD160, hFc Tag with the EC₅₀ of 0.93 ug/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — CD160

Entrez GeneID [11126](#)**Protein Accession#** [O95971-1](#)**Gene Name** CD160**Gene Alias** BY55, FLJ46513, NK1, NK28**Gene Description** CD160 molecule**Omim ID** [604463](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

CD160 is an 27 kDa glycoprotein which was initially identified with the monoclonal antibody BY55 . Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. The cDNA sequence of CD160 predicts a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain weakly homologous to KIR2DL4 molecule. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer . RNA blot analysis revealed CD160 mRNAs of 1.5 and 1.6 kb whose expression was highly restricted to circulating NK and T cells, spleen and small intestine. Within NK cells CD160 is expressed by CD56dimCD16+ cells whereas among circulating T cells its expression is mainly restricted to TCRgd bearing cells and to TCRab+CD8brightCD95+CD56+CD28-CD27-cells. In tissues, CD160 is expressed on all intestinal intraepithelial lymphocytes. CD160 shows a broad specificity for binding to both classical and nonclassical MHC class I molecules. [provided by RefSeq]

Other Designations CD160 antigen|OTTHUMP00000015585|natural killer cell receptor, immunoglobulin superfamily member