



Synonym

CD160,BY55,NK1,NK28

Source

Human CD160, His Tag(BY5-H5229) is expressed from human 293 cells (HEK293). It contains AA Ile 27 - Ser 159 (Accession # [O95971-1](#)).

Predicted N-terminus: Ile 27

Molecular Characterization

CD160(Ile 27 - Ser 159)
O95971-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 16.7 kDa. The protein migrates as 25-28 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

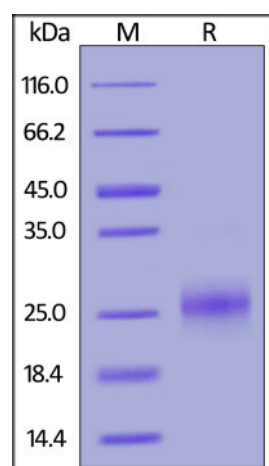
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

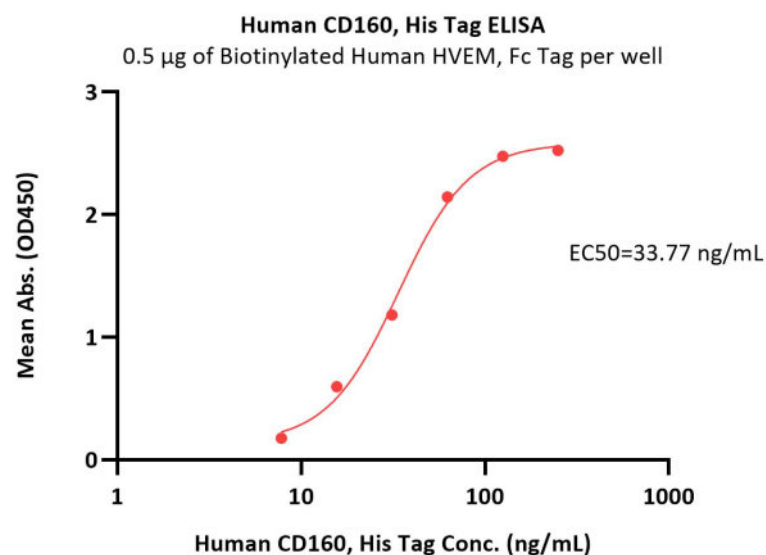


Human CD160, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA

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Immobilized Biotinylated Human HVEM, Fc Tag at 5 µg/mL (100 µL/well) on streptavidin precoated (0.5µg/well) plate, can bind Human CD160, His Tag (Cat. No. BY5-H5229) with a linear range of 8-63 ng/mL (QC tested).

Background

CD160 antigen is also known as natural killer cell receptor BY55, is a 27 kDa glycoprotein, contains 1 Ig-like V-type (immunoglobulin-like) domain. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer. 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. When expressed on vascular endothelial cells, CD160 propagates anti-angiogenic signals and promotes apoptosis.

Clinical and Translational Updates

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