

PRODUCT INFORMATION

CD160 **Target**

Synonyms BY55;NK1;NK28

Recombinant human CD160 protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** 095971 **Expression Host** HFK293 Tag C-6×His Tag

Molecular Characterization

Background

CD160(Ile27-Ser159) 6×His tag

The protein has a predicted molecular mass of 15.6 kDa after removal of the signal peptide.The **Molecular Weight**

apparent molecular mass of CDI60-His is approximately 15-25 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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, Jul 2008]

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Research use only Usage Conjugate Unconjugated

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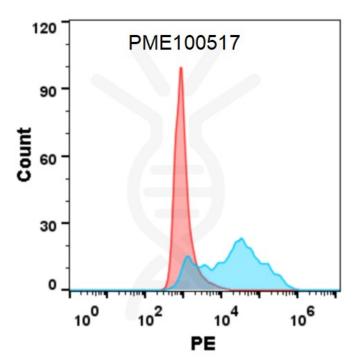


Figure 1. Flow cytometry analysis with Anti-CD160 (DMC270) on Expi293 cells transfected with human CD160 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



