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# Product Information

## MemDX™ Membrane Protein Human CD160 (CD160 molecule, 27-159aa) for Antibody Discovery

Cat. No.: **MP1487J**
This product is for research use only and is not intended for diagnostic use.

This product is a 15.8 kDa Human CD160 membrane protein expressed in Mammalian cell. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

## Product Specifications

**Host Species**
Human

**Target Protein**
CD160

**Protein Length**
Partial (27-159aa)

**Protein Class**
Immune Checkpoints

**Molecular Weight**
15.8 kDa

**Sequence**
INITSSASQEGTRLNLICTVWHKKEEAEGFVVFLCKDRSGDCSPETSLKQLRLKRDPGIDGVGEISSQLMFTISQVTPLHSGTYQCCA

## Product Description

**Activity**
Yes

**Expression Systems**
Mammalian cell

**Tag**
C-6xHis

**Form**
Lyophilized powder

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

**Endotoxin**

<1.0 EU/μg

**Purity**

>95% as determined by SDS-PAGE

**Buffer**

0.2 μm filtered 20 mM PB, 150 mM NaCl, pH 7.4

**Storage**

Store at +4°C for up to one week or several months at -80°C

## Target

**Target Protein**

CD160

**Full Name**

CD160 molecule

**Introduction**

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.

**Alternative Names**

BY55; BY55_HUMAN; CD160; CD160 antigen [Precursor]; CD160 antigen; CD160 delta Ig; CD160 molecule; CD160 transmembrane isoform; FLJ46513; Natural killer cell receptor BY55; Natural killer cell receptor; immunoglobulin superfamily member; NK1; NK28

**Gene ID**

11126

**UniProt ID**

O95971

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