

Product Information

MemDX™ Membrane Protein Human CD160 (CD160 molecule, 27-159aa) with N-His or Tag-Free for Antibody Discovery

Cat. No.: **MP1561J**

This product is for research use only and is not intended for diagnostic use.

This product is Human CD160 membrane protein expressed in Yeast, *E.coli*, In Vivo Biotinylation, Baculovirus, or 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

Drug Target

Sequence

INIT SSASQEGTRL NLICTVWHKK EEAEGFVVFL CKDRSGDCSP ETSLKQLRLK RDPGIDGVGE ISSQLMFTIS
QVTPLHSGTY QCCARSQKSG IRLQGHFFSI LFTETGNYTV TGLKQRQHLE FSHNEGTLS

Product Description

Expression Systems

Yeast

E.coli

In Vivo Biotinylation in *E.coli*

Baculovirus

Mammalian cell

Tag

N-His or Tag-Free

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 5-58% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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; CD160-delta Ig; natural killer cell receptor BY55; natural killer cell receptor, immunoglobulin superfamily member

Gene ID

[11126](#)

UniProt ID

[O95971](#)