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Product Information

MemDX™ Antibody Discovery - Human CD160 (27-159) Membrane Protein, Partial, -His tag

Cat. No.: **MP1093F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CD160 (27-159). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
CD160

Protein Length
ECD

Molecular Weight
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.

Sequence
AA Ile 27 - Ser 159 (Accession # O95971-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage 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

CD160, CD160 molecule, CD160 antigen, BY55, NK1, NK28, CD160-delta Ig, CD160 transmembrane isoform, natural killer cell receptor BY55, natural killer cell receptor, immunoglobulin superfamily member, FLJ46513,

Gene ID

11126

UniProt ID

O95971

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