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Product Information

MemDX™ Membrane Protein Human CD99 (CD99 molecule (Xg blood group)) Expressed in NS0 for Antibody Discovery, Partial (23-122aa)

Cat. No.: **MPX0475K**
This product is for research use only and is not intended for diagnostic use.

This product is a 36.7 kDa Human CD99 membrane protein expressed in NS0. 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
CD99

Protein Length
Partial (23-122aa)

Protein Class
Cell adhesion

Molecular Weight
36.7 kDa

TMD
1

Sequence
DGGFDLSDALPDNENKKPTAIPKKPSAG
DDFDLGDAVVDGENDDPRPPNPPKPMPNPNPNHPSSSGSFSDADLADGVS
GGEGKGGSDGGGSHRKEGEEAD

Product Description

Activity
Yes

Expression Systems
NS0

Tag
hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 μg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 μg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD99

Full Name

CD99 molecule (Xg blood group)

Introduction

The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus.

Alternative Names

CD99; MIC2; HBA71; MIC2X; MIC2Y; MSK5X; CD99 antigen; E2 antigen; MIC2 (monoclonal antibody 12E7); T-cell surface glycoprotein E2; antigen identified by monoclonal 12E7, Y homolog; antigen identified by monoclonal antibodies 12E7, F21 and O13; cell surface antigen 12E7; cell surface antigen HBA-71; cell surface antigen O13; surface antigen MIC2; CD99 molecule (Xg blood group)

Gene ID

4267

UniProt ID

P14209