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Product Information

MemDX™ Antibody Discovery - Human NKG2A / CD159a (94-233) Membrane Protein, Partial, His- tag

Cat. No.: **MP0684F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human NKG2A / CD159a (94-233). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
NKG2A / CD159a

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 17.9 kDa. The protein migrates as 30-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Pro 94 - Leu 233 (Accession # P26715-1).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the N-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

NKG2A / CD159a

Full Name

killer cell lectin like receptor C1

Introduction

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.

Alternative Names

NKG2; NKG2A; CD159A; NKG2-A/NKG2-B type II integral membrane protein; C-lectin type II protein; CD159 antigen-like family member A; NK cell receptor A; NKG2-1/B activating NK receptor; NKG2-A/B type II integral membrane protein; NKG2-A/B-activating NK receptor; killer cell lectin-like receptor subfamily C, member 1; natural killer cell lectin; natural killer group protein 2

Gene ID

3821

UniProt ID

P26715

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