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Datasheet for ABIN7318831 KLRC1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	KLRC1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This KLRC1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD159a/KLRC1 Protein (His Tag)(Active)
Sequence:	Arg100-Leu233
Characteristics:	Recombinant Human NKG2-A/NKG2-B Type II Integral Membrane Protein is produced by our Mammalian expression system and the target gene encoding Arg100-Leu233 is expressed with a 8His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human NKG2A-His at 10µg/ml(100 µl/well) can bind Biotinylated Human CD94-His(Cat: PKSH032785). The ED50 of Human NKG2A-His is 18µg/mL.

Target Details

Target:	KLRC1
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Target Details

Alternative Name: CD159a/KLRC1 ([KLRC1 Products](#))

Background: Background: NKG2-A/NKG2-B Type II Integral Membrane Protein contains 1 C-type lectin domain and belongs to the killer cell lectin-like receptor family. The killer cell lectin-like receptor family is a group of transmembrane proteins preferentially expressed in NK cells. Members of this proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. NKG2 is expressed only in NK-cells, but not in T-cells or B-cells. It has been shown that NKG2 represents a family of related cDNA clones, designated NKG2A, NKG2B, NKG2C, and NKG2D, which encode type 2 integral membrane proteins (extracellular C-terminus) containing a C-type lectin domain. NKG2 plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. NKG2A and NKG2B have been given the designation CD159a in the nomenclature of CD antigens.

Synonym: NKG2-A/NKG2-B type II integral membrane protein, CD159 antigen-like family member A, NK cell receptor A, NKG2-A/B-activating NK receptor, CD159a, KLRC1, NKG2A

Molecular Weight: 16.5 kDa

UniProt: [P26715](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.