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Datasheet for ABIN7121168 KLRC1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	KLRC1
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRC1 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus NKG2A / CD159a Protein, His Tag
Sequence:	Pro 94 - Leu 233
Characteristics:	Cynomolgus NKG2A, His Tag (NKA-C5245) is expressed from human 293 cells (HEK293). It contains AA Pro 94 - Leu 233 (Accession # Q68VD2-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	KLRC1
Alternative Name:	NKG2A / CD159a (KLRC1 Products)
Background:	Synonyms: NKG2A,CD159a,KLRC1,NK cell receptor A, Description: NKG2A/CD159a is a transmembrane protein belonging to the CD94/NKG2 family of C-type lectin-like receptors that inhibits innate immune system activation, also known as

Target Details

KLRC1, CD159a, NK cell receptor A and NKG2-A/NKG2-B type II integral membrane protein. NKG2A marks a unique immune effector subset preferentially co-expressing the tissue-resident CD103 Molecule, but not immune checkpoint inhibitors. NKG2A blockade therapy operated through CD8 T cells, but not NK cells. The increase in NKG2A expression might be induced by IL-10, which was present at a high level in the plasma of HCC patients. Blocking IL-10 could specifically inhibit NKG2A expression in NK cells. These findings indicate that NKG2A expression is influenced by factors from cancer nests and contributes to NK cell exhaustion, suggesting that NKG2A blockade has the potential to restore immunity against liver tumors by reversing NK cell exhaustion.

Molecular Weight: 17.9 kDa

NCBI Accession: [NP_001271106](#)

Application Details

Application Notes: This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 17.9 kDa. The protein migrates as 27-37 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C