

Datasheet for ABIN6938836

KLRC1 Protein (AA 94-233) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	KLRC1
Protein Characteristics:	AA 94-233
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRC1 protein is labelled with Fc Tag.

Product Details

Purity:	>95 % 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 (KLRC1 Products)
Background:	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 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

Target Details

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:	42.5 kDa
NCBI Accession:	NP_002250

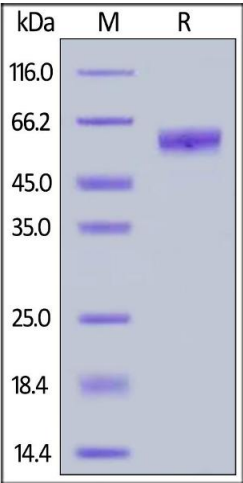
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Human NKG2A, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .