

Datasheet for ABIN7275335

KLRC1 Protein (AA 100-219) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	KLRC1
Protein Characteristics:	AA 100-219
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRC1 protein is labelled with Fc Tag.

Product Details

Purpose:	Human NKG2A/CD159a Protein
Sequence:	Arg100-Ala219
Characteristics:	Recombinant Human NKG2A/CD159a Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Arg100-Ala219.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human NKG2A, hFc Tag at 2µg/ml (100µl/Well) on Fc Antibody (2µg/ml) precoated plate. Dose response curve for Biotinylated Anti-NKG2A Antibody, hFc Tag with the EC50 of 30.9ng/ml determined by ELISA. See testing image for detail.

Target Details

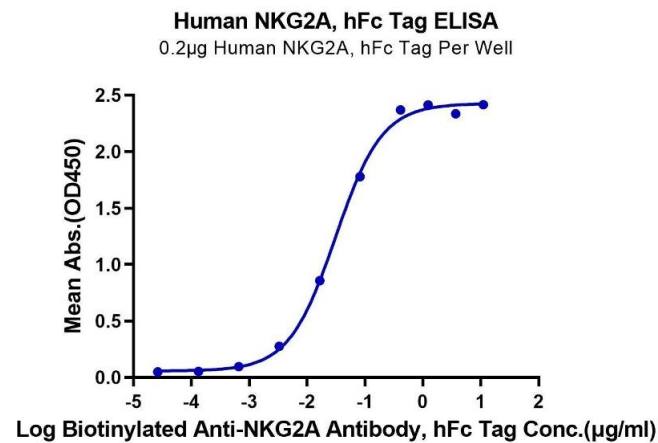
Target:	KLRC1
Alternative Name:	NKG2A (KLRC1 Products)
Background:	NKG2, also known as NKG2A(CD159A), is a member of the killer cell lectin-like receptor family. NKG2A marks a unique immune effector subset preferentially co-expressing the tissue-resident CD103 Molecule, but not immune checkpoint inhibitors. It is expressed only in NK-cells, but not in T-cells or B-cells.
Molecular Weight:	41.1 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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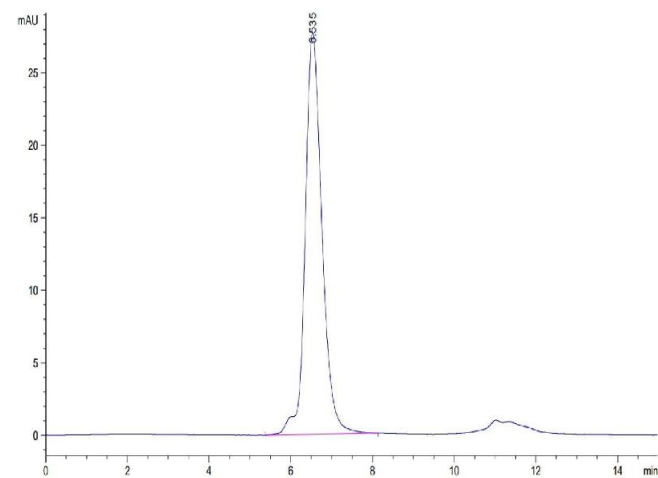
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



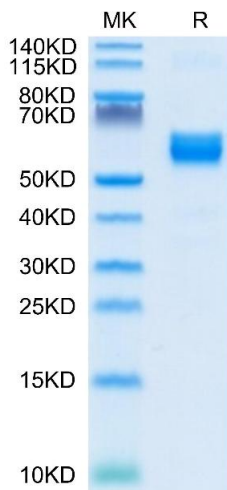
ELISA

Image 1. Immobilized Human NKG2A, hFc Tag at 2 µg/mL (100 µL/Well) on Fc Antibody (2 µg/mL) precoated plate. Dose response curve for Biotinylated Anti-NKG2A Antibody, hFc Tag with the EC50 of 30.9 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human NKG2A/CD159a is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human NKG2A/CD159a on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .