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Datasheet for ABIN7275338 KLRC1 Protein (His-Avi Tag)

4 Images



Overview

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

Product Details

Sequence:	Arg100-Leu233
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.
Biological Activity Comment:	Immobilized Human NKG2A, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC50 of 0.79µg/ml determined by ELISA. The affinity constant of 0.23µM as determined in SPR assay (Biacore T200). See testing image for detail.

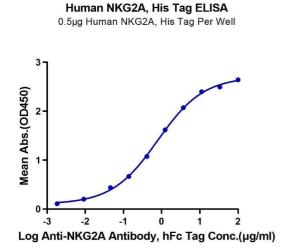
Target Details

Target:	KLRC1
Alternative Name:	NKG2A (KLRC1 Products)
Background:	NKG2A, NKG2-A, CD94, KLRD1, KP43, KLRC1, CD159A,NKG2, also known as NKG2A(CD159A),

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Target Details	
	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:	18.3 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

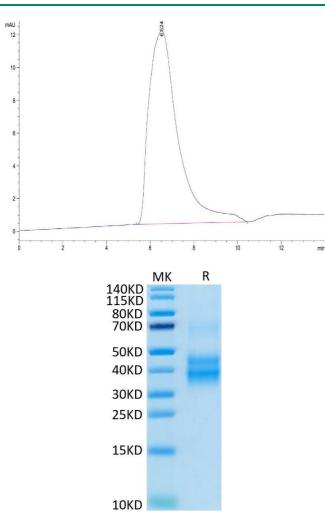
Images



ELISA

Image 1. Immobilized Human NKG2A, His Tag at 5 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC50 of 0.79 μ g/mL determined by ELISA.

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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 % .

Please check the product details page for more images. Overall 4 images are available for ABIN7275338.