

Datasheet for ABIN7275342

KLRK1 Protein (AA 78-216) (His-Avi Tag)



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3 Images

Overview

Quantity:	100 µg
Target:	KLRK1
Protein Characteristics:	AA 78-216
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRK1 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human NKG2D/CD314 Protein
Sequence:	Phe78-Val216
Characteristics:	Recombinant Human NKG2D/CD314 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Phe78-Val216.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human NKG2D, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKG2D Antibody, hFc Tag with the EC50 of 12.2ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	KLRK1
Alternative Name:	NKG2D (KLRK1 Products)
Background:	NKG2D is a type II transmembrane glycoprotein having an extracellular lectin-like domain. This domain lacks the recognizable calcium-binding sites found in true C-type lectins and binds protein rather than carbohydrate ligands. Human NKG2D is expressed on CD8 alpha beta T cells, gamma δ T cells, NK cells and NKT cells.
Molecular Weight:	19.0 kDa. Due to glycosylation, the protein migrates to 36-38 kDa based on Tris-Bis PAGE result.
UniProt:	P26718
Pathways:	Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

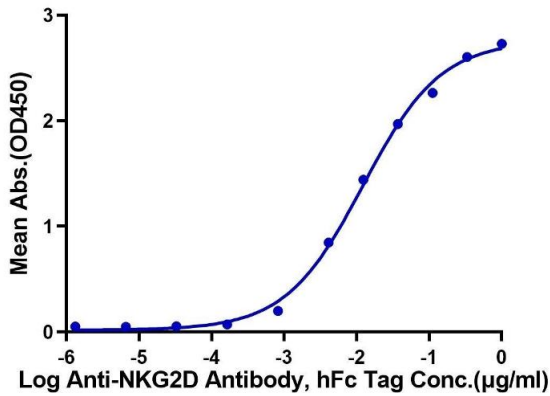
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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

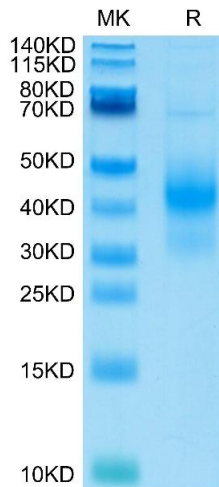
Human NKG2D, His Tag ELISA

0.1µg Human NKG2D, His Tag Per Well



ELISA

Image 1. Immobilized Human NKG2D, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-NKG2D Antibody, hFc Tag with the EC50 of 12.2 ng/mL determined by ELISA.

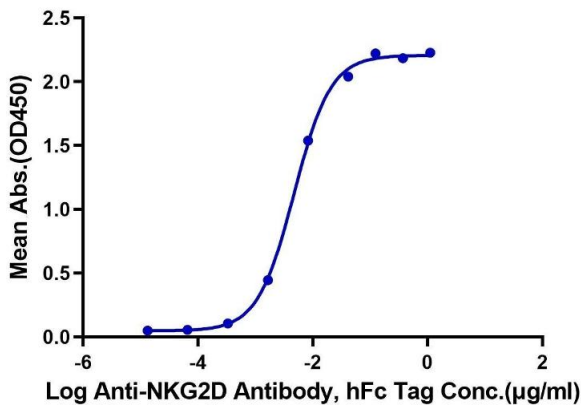


SDS-PAGE

Image 2. Human NKG2D on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human NKG2D, His Tag ELISA

0.1µg Human NKG2D, His Tag Per Well



ELISA

Image 3. Immobilized Human NKG2D, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-NKG2D Antibody, hFc Tag with the EC50 of 4.7 ng/mL determined by ELISA.