Datasheet for ABIN7275330

NKG2C & CD94 protein (His-Avi Tag)

5 Images

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Overview

Quantity:	100 µg
Target:	NKG2C & CD94
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His-Avi Tag

Product Details

Sequence:	Glu98-Leu231(NKG2C) & Ser34-Ile179(CD94)
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:	The affinity constant of 1.65 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	NKG2C & CD94
Alternative Name:	NKG2C&CD94
Background:	NKG2C&CD94,NKG2C&CD94 is a C-type lectin heterodimer on NK cells and CD8+ cytotoxic T-cells, it can recognize peptides derived from the intracellular proteins in the context of HLA-E. NKG2C&CD94 itself has no signal transduction function but is an activating receptor on the

Target Details

	surface of NK cells that involved in driving the NK-cell expansion.
Molecular Weight:	15.3kDa (NKG2C)&17.9kDa (CD94). Due to glycosylation, the protein migrates to 30-50 kDa based on Tris-Bis PAGE result.

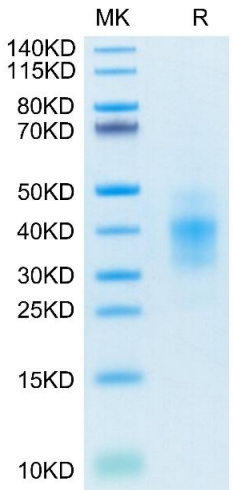
Application Details

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

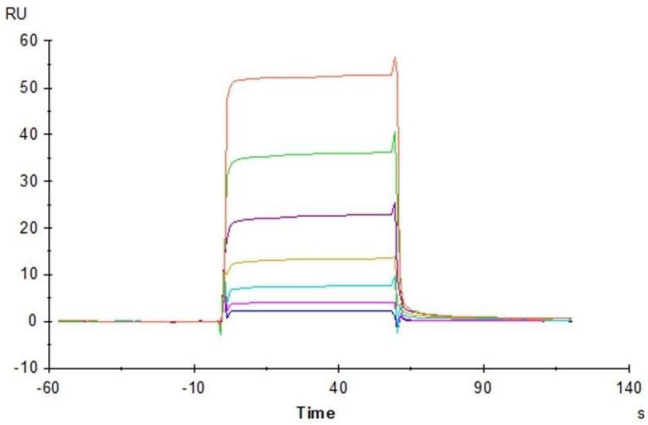
Images



SDS-PAGE

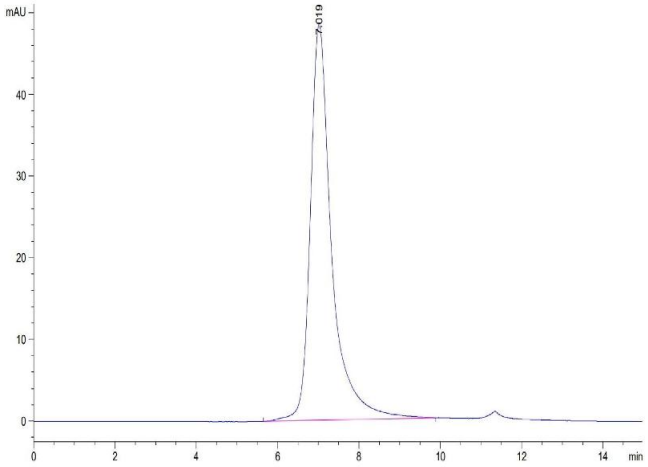
Image 1. Human NKG2C&CD94 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Images



Surface Plasmon Resonance

Image 2. Human NKG2C&CD94, His Tag immobilized on CM5 Chip can bind Human HLA-E*01:03 Complex Tetramer, His Tag with an affinity constant of 1.65 μM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human NKG2C&CD94 is greater than 95 % as determined by SEC-HPLC.

Please check the product details page for more images. Overall 5 images are available for ABIN7275330.