Datasheet for ABIN7275354

NCR3 Protein (AA 19-138) (His-Avi Tag,Biotin)

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4 Images

Overview

Quantity:	100 µg
Target:	NCR3
Protein Characteristics:	AA 19-138
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCR3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human NKp30/NCR3/CD337 Protein
Sequence:	Leu19-Thr138
Characteristics:	Recombinant Biotinylated Human NKp30/NCR3/CD337 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Leu19-Thr138.
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 Anti-NKp30 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human NKp30, His Tag with the EC50 of 30ng/ml determined by ELISA. The affinity constant of 0.330 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

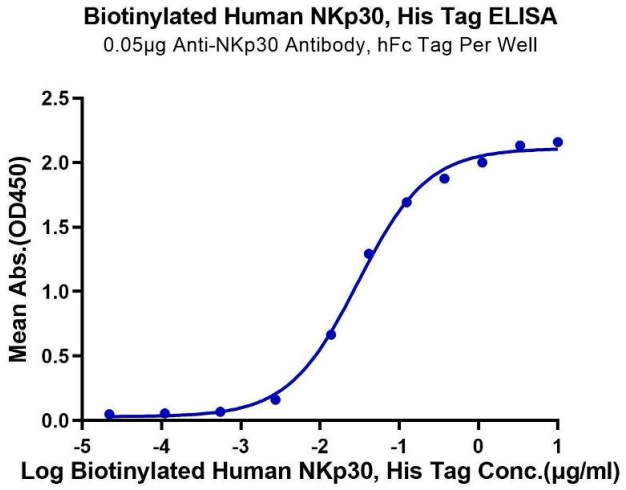
Target:	NCR3
Alternative Name:	NKp30 (NCR3 Products)
Background:	NKp30, along with NKp44 and NKp46, constitute a group of receptors termed "Natural Cytotoxicity Receptors". These receptors play a major role in triggering NK-mediated killing of most tumor cells lines.NKp30 stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells.
Molecular Weight:	20 kDa. Due to glycosylation, the protein migrates to 26-45 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only

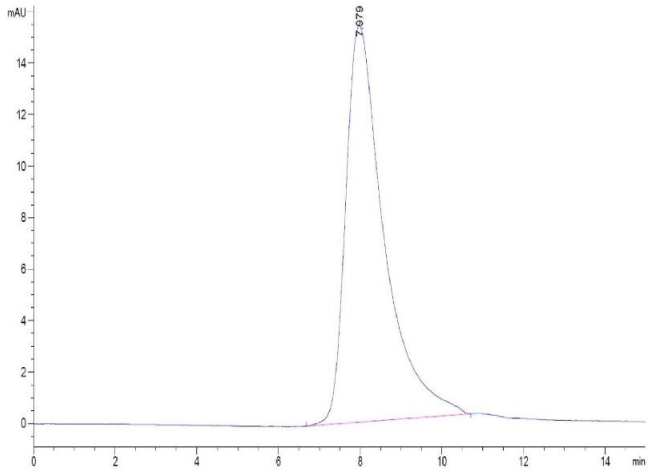
Handling

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



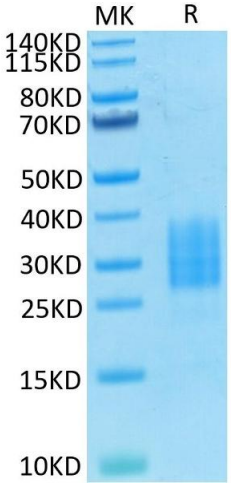
ELISA

Image 1. Immobilized Anti-NKp30 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human NKp30, His Tag with the EC50 of 30 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human NKp30 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human NKp30 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 ABIN7275354.