Datasheet for ABIN7275350

NCR3 Protein (AA 19-138) (Fc Tag)

4 Images

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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 Fc Tag.

Product Details

Purpose:	Human NKp30/NCR3/CD337 Protein
Sequence:	Leu19-Thr138
Characteristics:	Recombinant Human NKp30/NCR3/CD337 Protein is expressed from HEK293 with hFc 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 Human NKp30, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-NKp30 Antibody, hFc Tag with the EC50 of 13.4ng/ml determined by ELISA. The affinity constant of 23.10 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

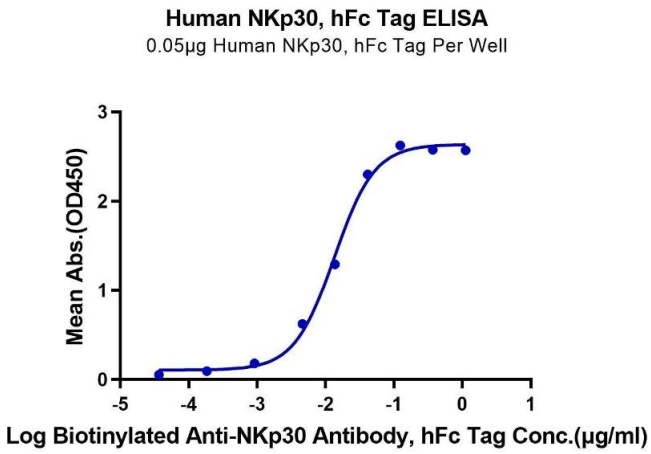
Target:	NCR3
Alternative Name:	NKp30 (NCR3 Products)
Background:	NKp30, along with NKp44 and NKp46, constitute a group of receptors termed "Natural Cytotoxicity Receptors". These receptors play a major role in triggering NK-mediated killing of most tumor cells lines.NKp30 stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation.
Molecular Weight:	39.8 kDa. Due to glycosylation, the protein migrates to 53-60 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

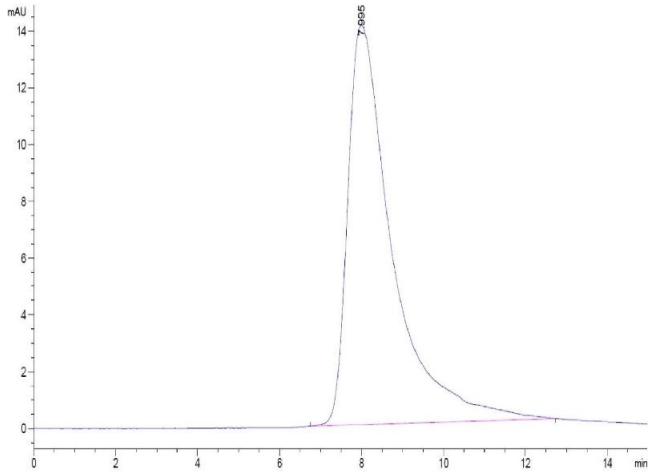
Handling

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



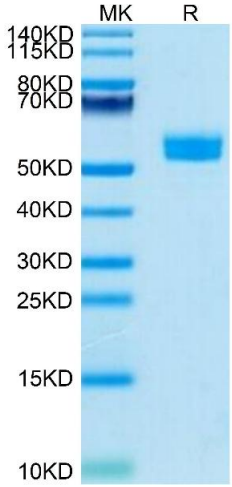
ELISA

Image 1. Immobilized Human NKp30, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-NKp30 Antibody, hFc Tag with the EC50 of 13.4 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human NKp30/NCR3/CD337 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human NKp30/NCR3/CD337 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 ABIN7275350.

