

Datasheet for ABIN7275347
NCR1 Protein (AA 22-254) (His tag)

3 Images

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Overview

Quantity:	100 µg
Target:	NCR1
Protein Characteristics:	AA 22-254
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCR1 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus NKp46/NCR1/CD335 Protein
Sequence:	Pro22-Asn254
Characteristics:	Recombinant Cynomolgus NKp46/NCR1/CD335 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Pro22-Asn254.
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 Cynomolgus NKp46, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NKp46 Antibody, hFc Tag with the EC50 of 23.5ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	NCR1
Alternative Name:	NKp46 (NCR1 Products)
Background:	NKp46, along with NKp30 and NKp44, are activating receptors that have been collectively termed the natural cytotoxicity receptors (NCR). These receptors lack significant sequence homology to one another. They are expressed almost exclusively by NK cells and play a major role in triggering some of the key lytic activities of NK cells.
Molecular Weight:	27.4 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
UniProt:	Q95JB9
Pathways:	Regulation of Leukocyte Mediated Immunity

Application Details

Restrictions:	For Research Use only
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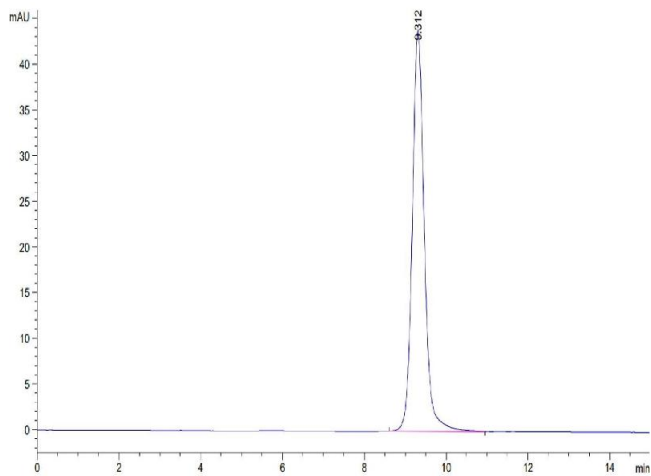
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl, 100 mM L-arginine (pH 8.2). 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



SDS-PAGE

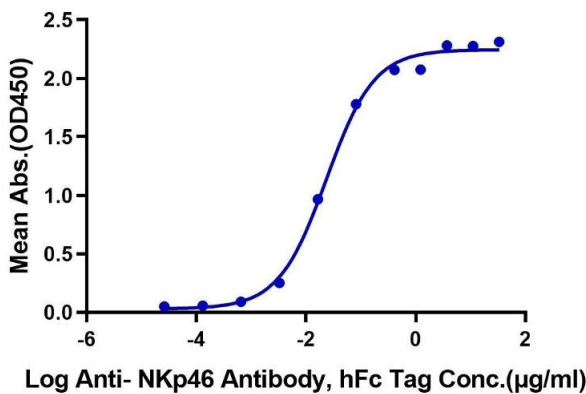
Image 1. Cynomolgus NKp46 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus NKp46 is greater than 95 % as determined by SEC-HPLC.

Cynomolgus NKp46, His Tag ELISA
0.05µg Cynomolgus NKp46, His Tag Per Well



ELISA

Image 3. Immobilized Cynomolgus NKp46, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti- NKp46 Antibody, hFc Tag with the EC50 of 23.5 ng/mL determined by ELISA.