

Cynomolgus NKp46/NCR1/CD335 Protein

Cat. No. NKP-CM146

Description

Source	Recombinant Cynomolgus NKp46/NCR1/CD335 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Pro22-Asn254.
Accession	Q95JB9
Molecular Weight	The protein has a predicted MW of 27.4 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in 20mM Tris, 150mM NaCl, 100mM L-arginine (pH 8.2). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

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.

Assay Data

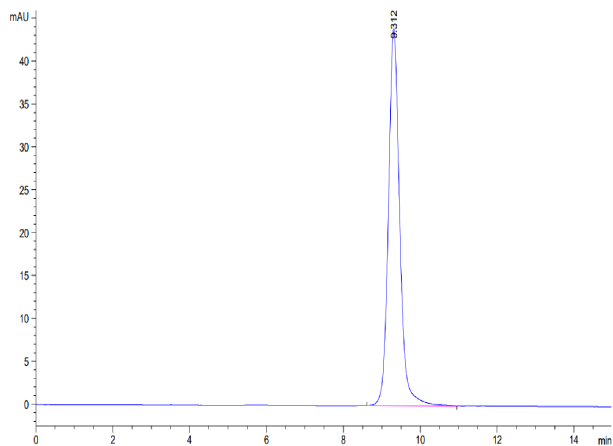
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



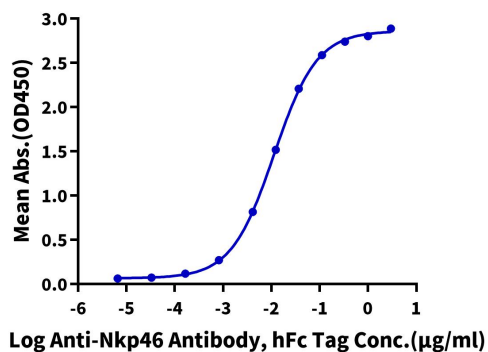
The purity of Cynomolgus NKp46 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus NKp46, His Tag ELISA

0.05µg Cynomolgus NKp46, His Tag Per Well



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 11.4ng/ml determined by ELISA.