Human NKp46/NCR1/CD335 Protein, Ultra Low Endotoxin

Cat. No. NKP-HM346-UL

Description

Source	Recombinant Human NKp46/NCR1/CD335 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus.
	It contains Gln22-Asn255.
Accession	O76036-1
Molecular Weight	The protein has a predicted MW of 52.9 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

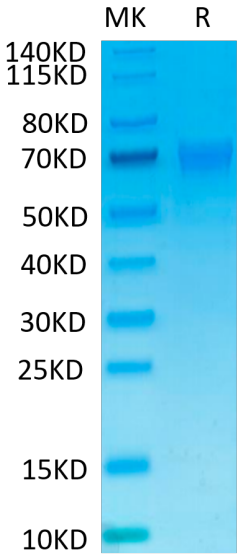
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

Bis-Tris PAGE



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

SEC-HPLC

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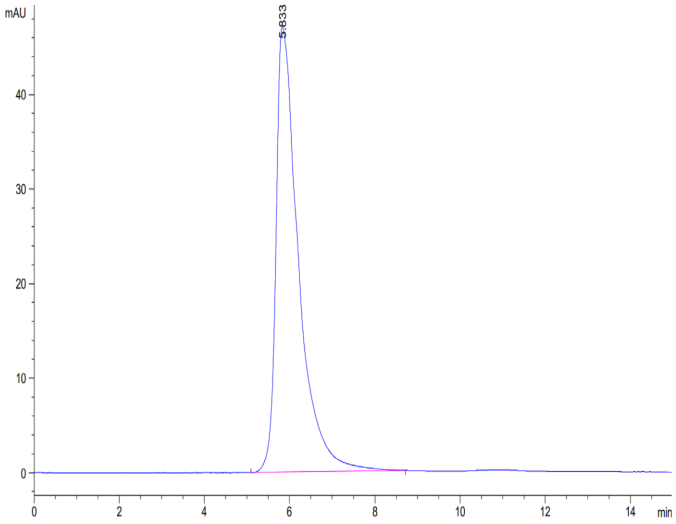
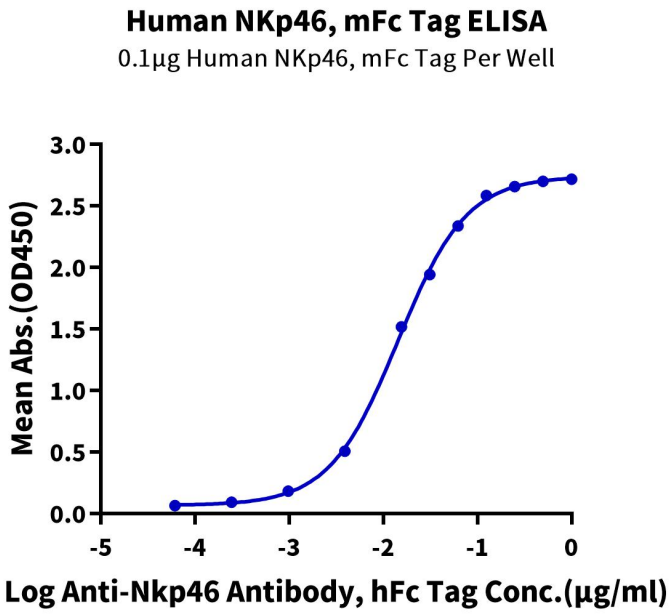
Assay Data



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

ELISA Data



Immobilized Human NKp46, mFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-Nkp46 Antibody, hFc Tag with the EC50 of 14.3ng/ml determined by ELISA (QC Test).