

Biotinylated Human NKp30/NCR3/CD337 Protein



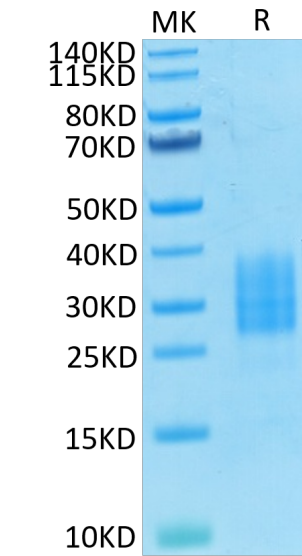
Cat. No. NKP-HM430B

Description	
Source	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.
Accession	AAH52582
Molecular Weight	The protein has a predicted MW of 20 kDa. Due to glycosylation, the protein migrates to 26-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU 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	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. -80°C for 3 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.

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.	

Assay Data	
Bis-Tris PAGE	



Biotinylated Human NKp30 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

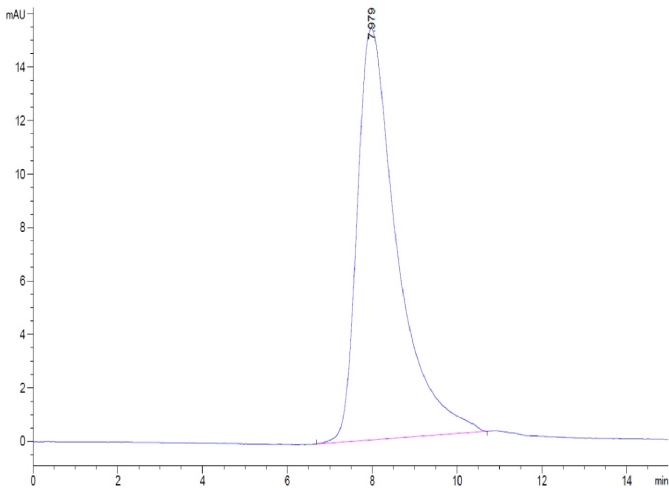
SEC-HPLC

Biotinylated Human NKp30/NCR3/CD337 Protein

Cat. No. NKP-HM430B



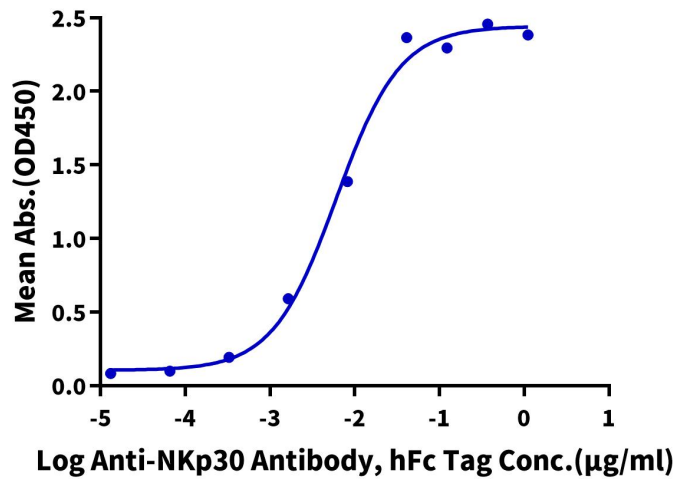
Assay Data



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

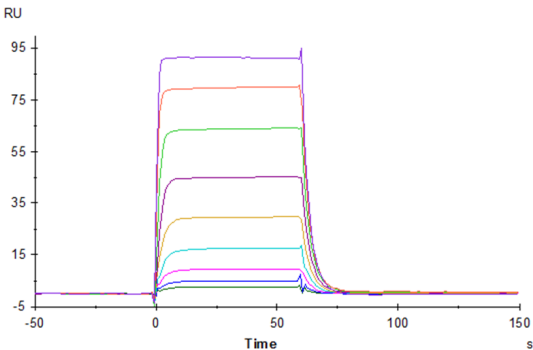
ELISA Data

Biotinylated Human NKp30, His Tag ELISA  
0.1µg Biotinylated Human NKp30, His Tag Per Well



Immobilized Biotinylated Human NKp30, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-NKp30 Antibody, hFc Tag with the EC50 of 6.2ng/ml determined by ELISA (QC Test).

SPR Data



Human B7-H6, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human NKp30, His-Avi Tag with an affinity constant of 0.330 µM as determined in SPR assay (Biacore T200).