

Human NKG2A/CD159a Protein

Cat. No. NKG-HM210

Description

Source	Recombinant Human NKG2A/CD159a Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Arg100-Ala219.
Accession	P26715-1
Molecular Weight	The protein has a predicted MW of 41.1 kDa. Due to glycosylation, the protein migrates to 55-70 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

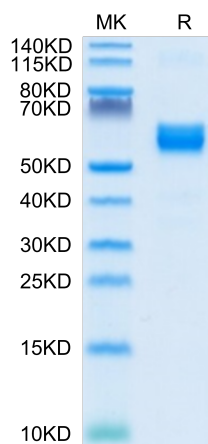
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

NKG2, also known as NKG2A(CD159A), is a member of the killer cell lectin-like receptor family. NKG2A marks a unique immune effector subset preferentially co-expressing the tissue-resident CD103 molecule, but not immune checkpoint inhibitors. It is expressed only in NK-cells, but not in T-cells or B-cells.

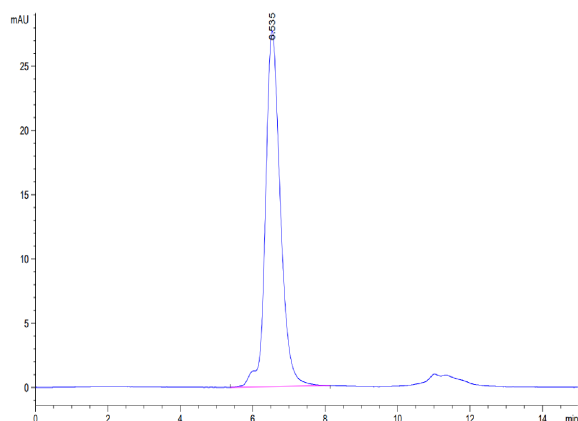
Assay Data

Bis-Tris PAGE



Human NKG2A on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



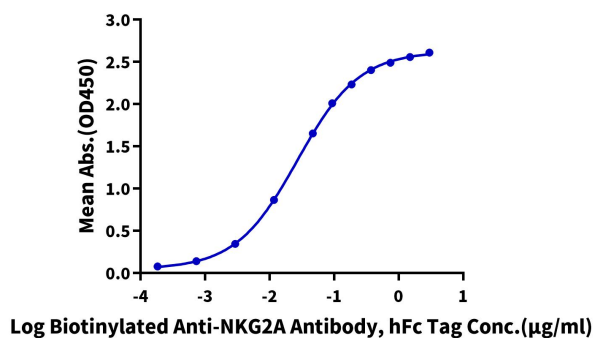
The purity of Human NKG2A is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human NKG2A, hFc Tag ELISA

0.5µg Human NKG2A, hFc Tag Per Well



Immobilized Human NKG2A, hFc Tag at 5µg/ml (100µl/Well) on Fc Antibody (2µg/ml) precoated plate. Dose response curve for Biotinylated Anti-NKG2A Antibody, hFc Tag with the EC50 of 27.0ng/ml determined by ELISA (QC Test).