Biotinylated Human NKG2A/CD159a Protein

Cat. No. NKG-HM410B

Description

Source	Recombinant Biotinylated Human NKG2A/CD159a Protein is expressed from HEK293 with His tag and Avi tag at N-Terminus.
	It contains Arg100-Leu233.
Accession	P26715-1
Molecular Weight	The protein has a predicted MW of 18.3 kDa. Due to glycosylation, the protein migrates to 40-50 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

Formulation and Storage

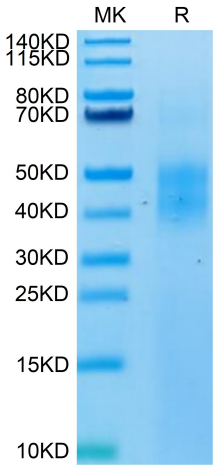
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 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.

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.

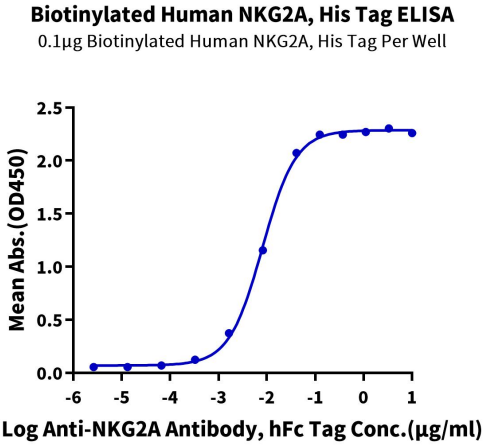
Assay Data

Tris-Bis PAGE



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

ELISA Data



Immobilized Biotinylated Human NKG2A, His Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC50 of 8.1ng/ml determined by ELISA.