

Cynomolgus NKG2A&CD94 Protein

Cat. No. NKC-CM194

Description

Source	Recombinant Cynomolgus NKG2A&CD94 Protein is expressed from HEK293 with His tag and Flag tag at the C-Terminus. It contains Pro94-Leu233(NKG2A)&Lys32-Ile179(CD94).
Accession	Q68VD2(NKG2A)&Q68VD4(CD94)
Molecular Weight	The protein has a predicted MW of 17.01 kDa(NKG2A)&18.27 kDa(CD94). Due to glycosylation, the protein migrates to 25-35 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

Formulation and Storage

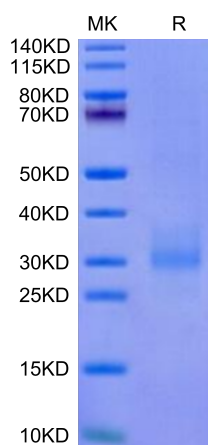
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 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

The ligand-receptor assignment between HLA-G and NKG2A/CD94 is dependent of the amino acid composition in the HLA-G heavy chain. Understanding the biophysical basis of receptor-mediated events that lead to NK cell inhibition would help to remove non-tumor reactive cells and support personalized mild autologous NK cell therapies.

Assay Data

Bis-Tris PAGE

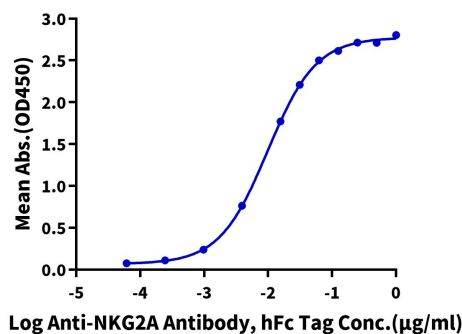


Cynomolgus NKG2A&CD94 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Cynomolgus NKG2A&CD94, His Tag ELISA

0.2µg Cynomolgus NKG2A&CD94, His Tag Per Well



Immobilized Cynomolgus NKG2A&CD94, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC50 of 9.9ng/ml determined by ELISA.