

Recombinant Cynomolgus NKG2A&KLRD1/CD159a&CD94 Protein

Catalog No.: RP02713 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		Q68VD2(NKG2A)&Q68VD4(CD94)

Tags

C-His&Flag

Synonyms

CD159a; NKG2A; NKG2-A; CD94;
NKG2A&CD94

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE

Calculated MW Observed MW

17.01 kDa(NkG2A), 25-35 kDa
18.27 kDa(CD94)

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

Basic Information

Description

Recombinant Cynomolgus NKG2A&KLRD1/CD159a&CD94 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Pro94-Leu233)&(Lys32-Ile179) of Cynomolgus NKG2A&KLRD1/CD159a&CD94 (Accession #) fused with His tag and Flag tag at the C-terminal.

Bio-Activity

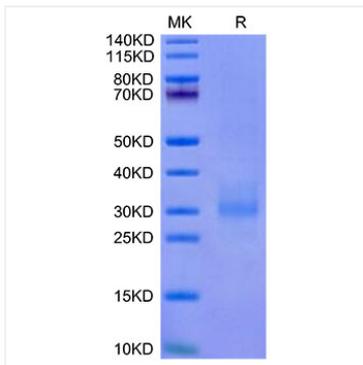
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

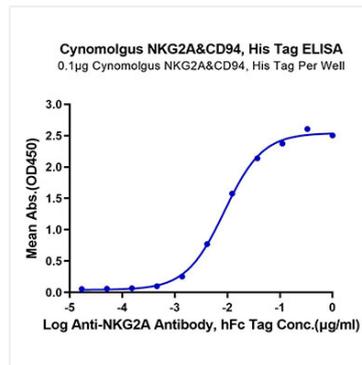
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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



Immobilized Cynomolgus NKG2A&CD94, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC₅₀ of 8.7g/ml determined by ELISA.