

Recombinant Human NKG2A&KLRD1/CD159a&CD94 Protein

Catalog No.: RP02452 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3821&3824	P26715&Q13241

Tags

N-His&Avi

Synonyms

CD159 antigen-like family member A; CD159a antigen; CD159a;NKG2A; NKG2-A; NKG2-A/B type II integral membrane protein; NKG2-A/B-activating NK receptor;CD94 antigen; CD94; CD94natural killer cells antigen CD94; Killer cell lectin-like receptor subfamily D member 1; killer cell lectin-like receptor subfamily D; member 1; KLRD1; KP43; NK cell receptor

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW Observed MW

17.9 kDa (CD94), 33-48 kDa
18.3 kDa (NkG2A)

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

Background

Basic Information

Description

Recombinant Human NKG2A&KLRD1/CD159a&CD94 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser34-Ile179)&(Arg100-Leu233) of Human NKG2A&KLRD1/CD159a&CD94 (Accession #) fused with His tag and Avi tag at the N-terminal.

Bio-Activity

Immobilized Human NKG2A&CD94,His Tag at 0.5 μg/mL (100 μL/Well). Dose response curve for Anti-NKG2A&CD94 Ab.with the EC₅₀ of 8.9 ng/mL determined by ELISA.

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.

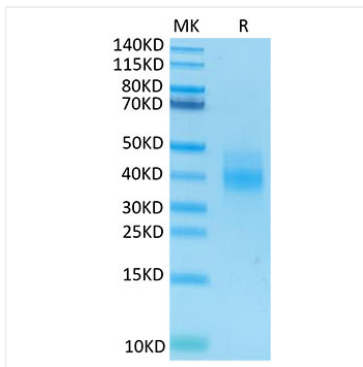
Contact

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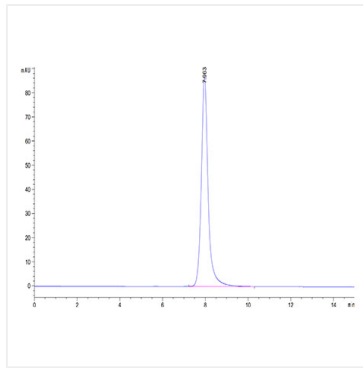
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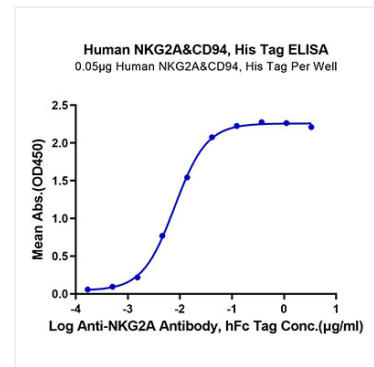
Validation Data



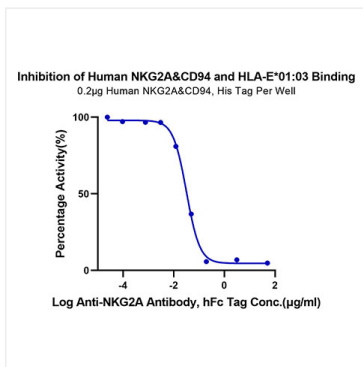
Human NKG2A&CD94 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human NKG2A&CD94 is greater than 95% as determined by SEC-HPLC.



Immobilized Human NKG2A&CD94, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC_{50} of 7.9ng/ml determined by ELISA.



Serial dilutions of Anti-NKG2A Antibody, hFc Tag were added into Human NKG2A&CD94, His Tag : Biotinylated Human HLA-E*01:03 Complex Tetramer, His Tag binding reactions. The half maximal inhibitory concentration (IC_{50}) is 31.8ng/ml.