

Recombinant Human NKG2A&KLRD1 /CD159a&CD94 Protein

Catalog No.: RP02452

Sequence Information

Species **Gene ID**
Human 3821&3824

Swiss Prot **Tags**
P26715&Q13241 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, CD94 natural 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 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by 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

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

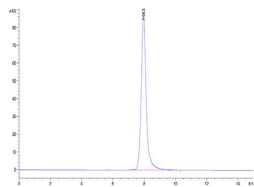
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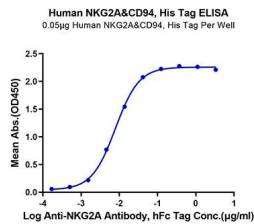
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recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

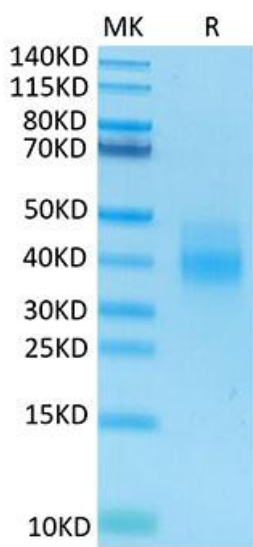
Validation Data



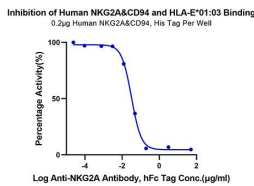
The purity of Human NKG2A&CD94 is greater than 95% as determined by SEC-HPLC.



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 EC₅₀ of 7.9ng/ml determined by ELISA.



Recombinant Human NKG2A&KLRD1/CD159a&CD94 Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



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 (IC₅₀) is 31.8ng/ml.