

Recombinant Human NKG2A&KLRD1 /CD159a&CD94 Protein

Catalog No.: RP02451

Sequence Information

Species **Gene ID**
Human 3821&3824

Swiss Prot **Tags**
P26715&Q13241 C-mFc

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 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW **Observed MW**
56.9 kDa 70-90 kDa

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,

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 mFc tag at the C-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 0.2 μg/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

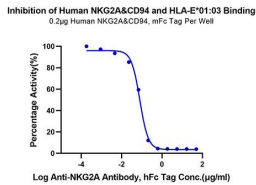
☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

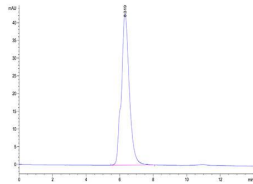
🌐 | www.abclonal.com.cn

5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Validation Data



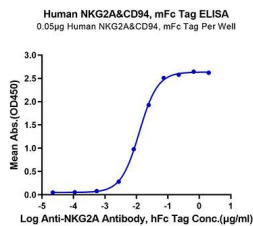
Serial dilutions of Anti-NKG2A Antibody were added into Biotinylated Human HLA-E*01:03 Complex Tetramer, His Tag : Human NKG2A&CD94, mFc Tag binding reactions. The half maximal inhibitory concentration (IC₅₀) is 80.0ng/ml.



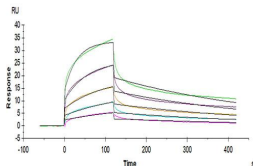
The purity of Human NKG2A&CD94 is greater than 95% as determined by SEC-HPLC.



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



Immobilized Human NKG2A&CD94, mFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKG2A Antibody, hFc Tag with the EC₅₀ of 12.4ng/ml determined by ELISA.



Human NKG2A&CD94, mFc Tag captured on CM5 Chip via Anti-mouse Antibody can bind Human HLA-E Complex Tetramer, His Tag with an affinity constant of 7.90 nM as determined in SPR assay (Biacore T200).