

Biotinylated Recombinant Human NKG-2D/KLRK1/CD314 Protein

Catalog No.: RP02456B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	22914	P26718

Tags

N-His&Avi

Synonyms

KLRK1;CD314;D12S2489E;KLR;NKG2-D;NKG2D

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
19.0 kDa	36-40 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. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or 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.

Contact

☎ | 400-999-6126

Background

NKG2D is a type II transmembrane glycoprotein having an extracellular lectin-like domain. This domain lacks the recognizable calcium-binding sites found in true C-type lectins and binds protein rather than carbohydrate ligands. Human NKG2D is expressed on CD8 alpha beta T cells, gamma δ T cells, NK cells and NKT cells.

Basic Information

Description

Biotinylated Recombinant Human NKG2D Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Phe78-Val216) of Human NKG2D fused with His tag and Avi tag at the N-terminal.

Bio-Activity

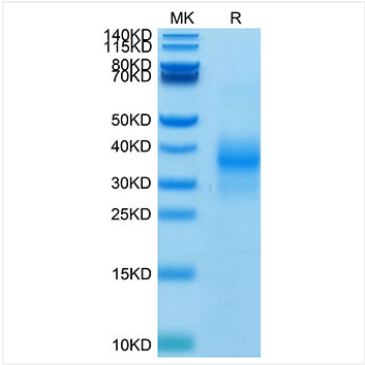
Storage

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.

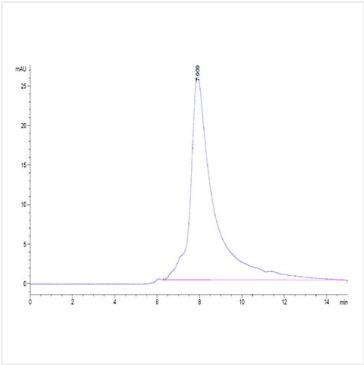
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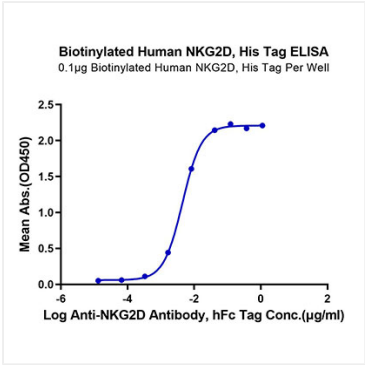
Validation Data



Biotinylated Recombinant Human NKG-2D/KLRK1/CD314 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human NKG2D is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human NKG2D, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-NKG2D Antibody, hFc Tag with the EC₅₀ of 4.4ng/ml determined by ELISA.