

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

Catalog No.: RP02456B

Sequence Information

Species	Gene ID
Human	22914
Swiss Prot	Tags
P26718	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.

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.

Activity

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

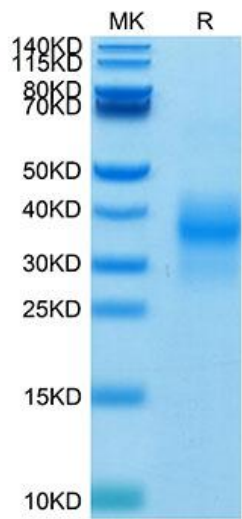
Operational Notes

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

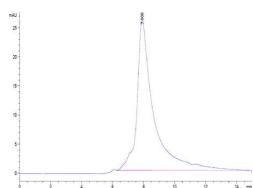
Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

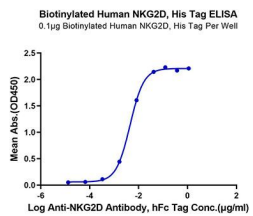
Validation Data



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.