

Recombinant Mouse NKG2-D/KLRK1/CD314 Protein

Catalog No.: RP02720 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	27007	O54709-1

Tags

N-hFc

Synonyms

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
42.38 kDa	50-60 kDa

Endotoxin

<0.1EU/μg by the LAL method.

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

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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

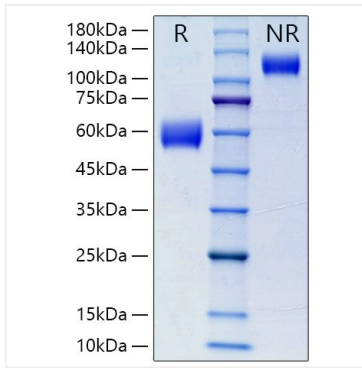
Recombinant Mouse NKG2-D/KLRK1/CD314 Protein is expressed by HEK293 cells expression system. The target protein is expressed with sequence Phe90-Val232 of NKG2D/CD314 (Accession #NP_149069.1) fused with a hFc at the N-terminus

Bio-Activity

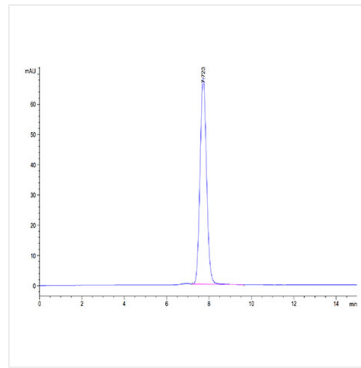
Storage

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.

Validation Data



Recombinant Mouse NKG2D/CD314 Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions showing single bands at 50-60 kDa and 100-140 kDa, respectively.



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