

Human NKG2C&CD94 Protein

Cat. No. NKC-HM696

Description

| | |
|-------------------------|---|
| Source | Recombinant Human NKG2C&CD94 Protein is expressed from HEK293 with His tag and Avi tag and Flag tag at the N-Terminus. It contains Glu98-Leu231(NKG2C)&Ser34-Ile179(CD94). |
| Accession | P26717(NKG2C)&Q13241-1(CD94) |
| Molecular Weight | The protein has a predicted MW of 15.3kDa (NKG2C)&17.9kDa (CD94). Due to glycosylation, the protein migrates to 30-50 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

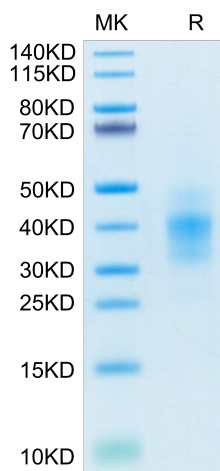
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

NKG2C&CD94 is a C-type lectin heterodimer on NK cells and CD8+ cytotoxic T-cells, it can recognize peptides derived from the intracellular proteins in the context of HLA-E. NKG2C&CD94 itself has no signal transduction function but is an activating receptor on the surface of NK cells that involved in driving the NK-cell expansion.

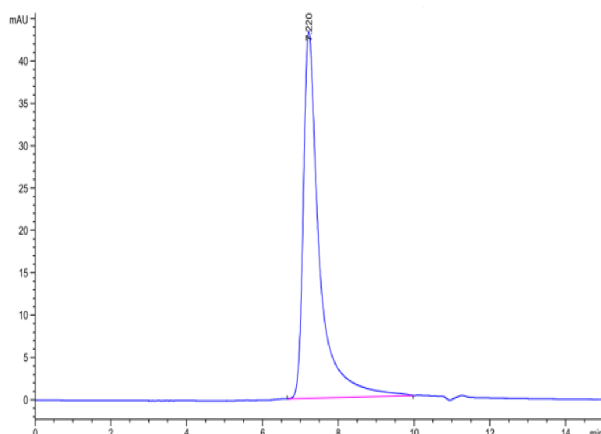
Assay Data

Bis-Tris PAGE



Human NKG2C&CD94 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC



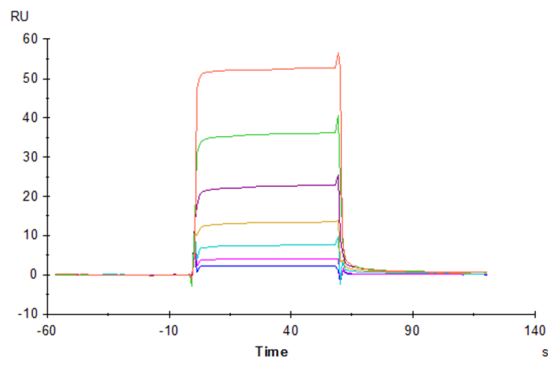
The purity of Human NKG2C&CD94 is greater than 95% as determined by SEC-HPLC.

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Assay Data

SPR Data



Human NKG2C&CD94, His Tag immobilized on CM5 Chip can bind Human HLA-E*01:03 Complex Tetramer, His Tag with an affinity constant of 1.65 μ M as determined in SPR assay (Biacore T200).