Cynomolgus NKG2C&CD94 Protein, Ultra Low Endotoxin

Cat. No. NKC-CM1C4-UL

Description

Source	Recombinant Cynomolgus NKG2C&CD94 Protein is expressed from HEK293 with His tag at the N-Terminus of NKG2C and Flag tag at the C-Terminus of CD94.
	It contains Glu98-Leu231(NKG2C)and Lys32-Ile179(CD94).
Accession	Q68VD0(NKG2C)&Q68VD4(CD94)
Molecular Weight	The protein has a predicted MW of 16.44kDa (NKG2C) & 18.27kDa (CD94). Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

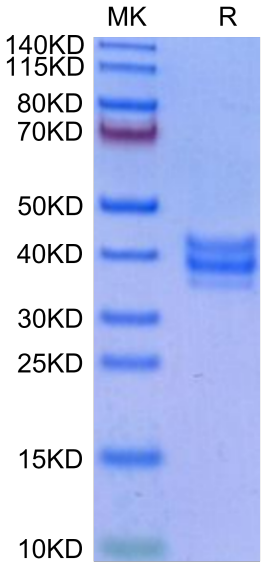
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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



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

SEC-HPLC

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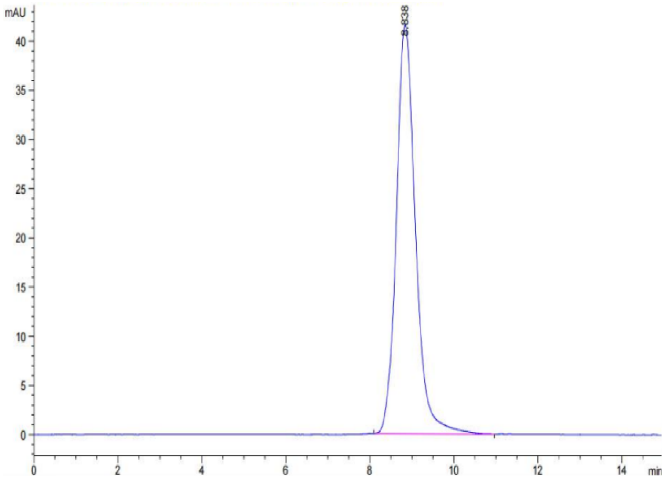
Assay Data



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