

FITC-Labeled Human NKG2D/CD314 Protein

Cat. No. NKG-HM22DF

Description

Source	Recombinant FITC-Labeled Human NKG2D/CD314 Protein is expressed from HEK293 with hFc tag and Flag tag at the N-Terminus. It contains Phe78-Val216.
Accession	P26718
Molecular Weight	The protein has a predicted MW of 43.4 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Wavelength	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

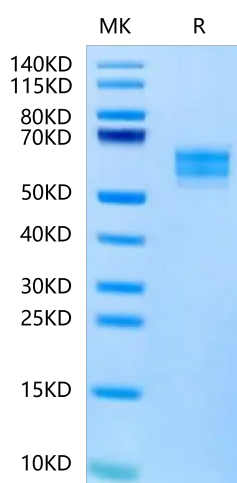
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

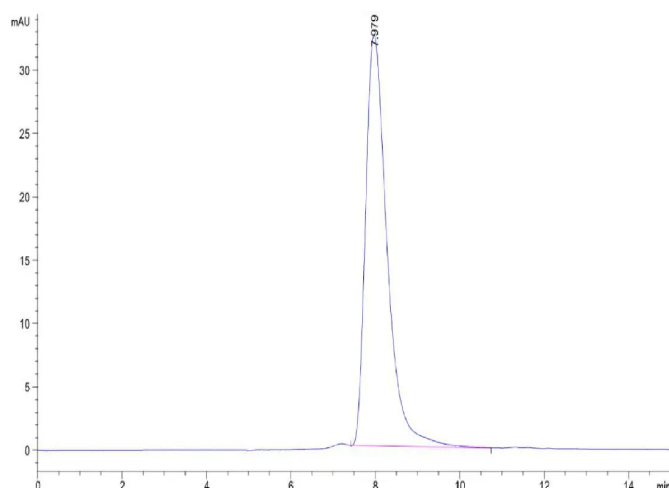
Assay Data

Tris-Bis PAGE



FITC-Labeled Human NKG2D on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



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