

Mouse NKG2D/CD314 Protein

Cat. No. NKG-MM12D

Description

Source	Recombinant Mouse NKG2D/CD314 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Phe90-Val232.
Accession	O54709-1
Molecular Weight	The protein has a predicted MW of 17.5 kDa. Due to glycosylation, the protein migrates to 24-35kDa 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

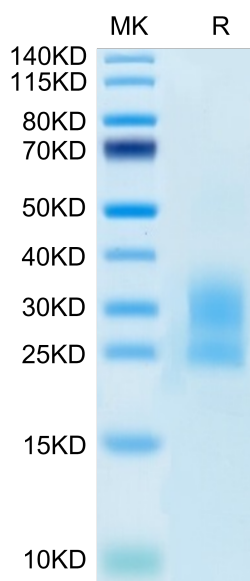
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 250mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

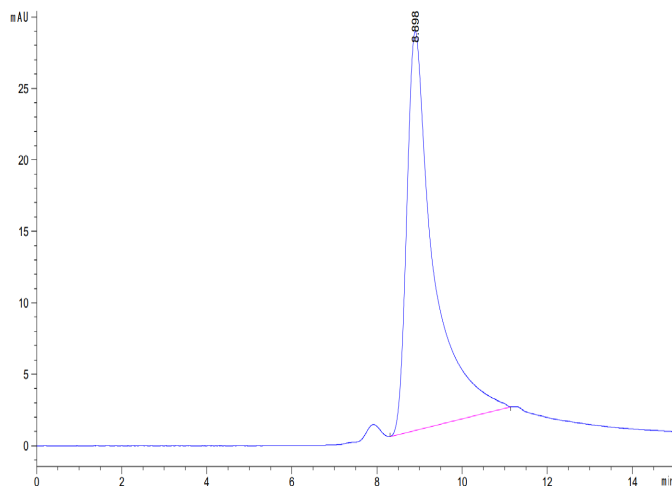
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



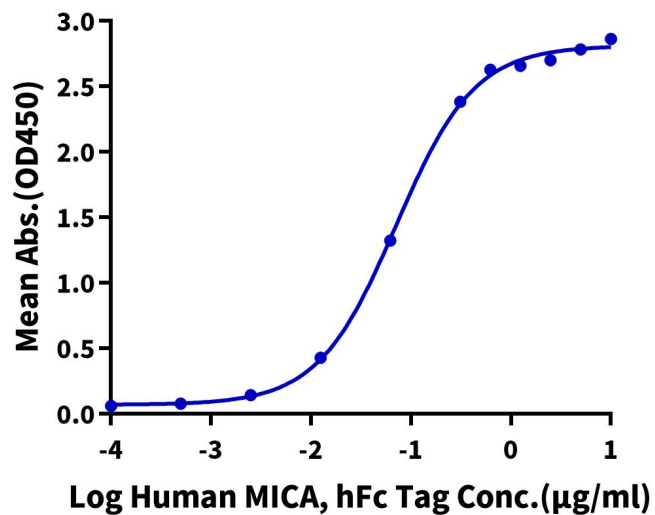
The purity of Mouse NKG2D is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Mouse NKG2D, His Tag ELISA

0.5µg Mouse NKG2D, His Tag Per Well



Immobilized Mouse NKG2D, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human MICA, hFc Tag with the EC50 of 71.3ng/ml determined by ELISA.