

Human MICA*007:01:05 Protein

Cat. No. MIC-HM105

Description

Source	Recombinant Human MICA*007:01:05 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu24-Thr309.
Accession	A0A5P3YYA7
Molecular Weight	The protein has a predicted MW of 34.51 kDa. Due to glycosylation, the protein migrates to 50-70 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

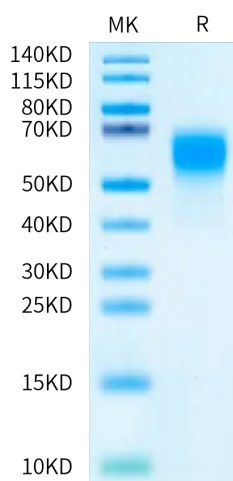
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

MICA (MHC class I chain-related gene A) is a transmembrane glycoprotein that functions as a ligand for human NKG2D. A closely related protein, MICB, shares 85% amino acid identity with MICA. These proteins are distantly related to the MHC class I proteins. They possess three extracellular Iglike domains, but they have no capacity to bind peptide or interact with beta 2-microglobulin..

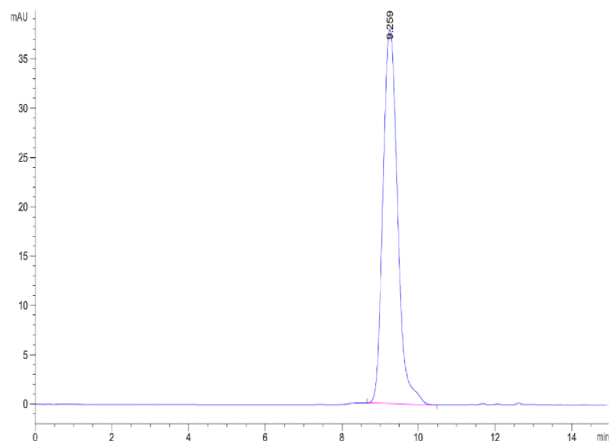
Assay Data

Bis-Tris PAGE



Human MICA*007:01:05 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



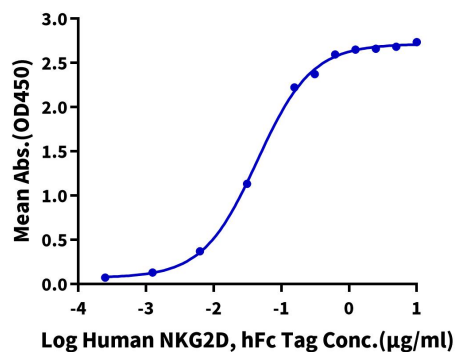
The purity of Human MICA*007:01:05 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human MICA*007:01:05, His Tag ELISA

0.1µg Human MICA*007:01:05, His Tag Per Well



Immobilized Human MICA*007:01:05, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human NKG2D, hFc Tag with the EC50 of 44.0ng/ml determined by ELISA (QC Test).