

Human MICA Protein

HA210092



Product name:	Human MICA Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human MICA Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu24-Gln308.
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 Ig like domains, but they have no capacity to bind peptide or interact with beta 2-microglobulin.
Purity:	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1EU per µg by the LAL method.
Source:	HEK293
Accession:	Q96QC4
Predicted molecular mass:	The protein has a predicted MW of 35.8 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result
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 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

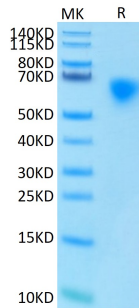


Fig1: Human MICA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

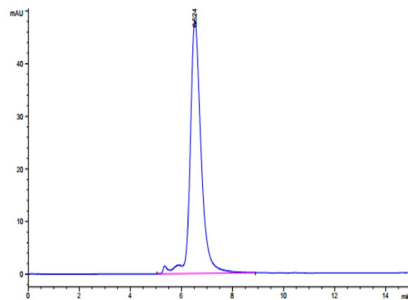


Fig2: The purity of Human MICA is greater than 95% as determined by SEC-HPLC.

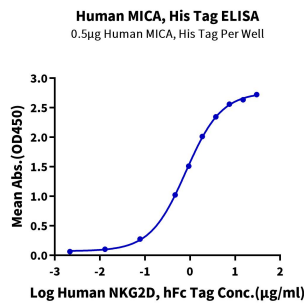


Fig3: Immobilized Human MICA, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human NKG2D, hFc Tag with the EC50 of 0.81µg/ml determined by ELISA (QC Test).

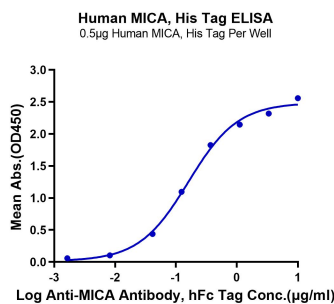


Fig4: Immobilized Human MICA, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-MICA Antibody, hFc Tag with the EC50 of 0.16µg/ml determined by ELISA.

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Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

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