

Datasheet for ABIN7275256

MICA Protein (His-Avi Tag,Biotin)



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4 Images

Overview

Quantity:	100 µg
Target:	MICA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICA protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Glu24-Gln308
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human NKG2D, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human MICA, His Tag with the EC50 of 0.32µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	MICA
Alternative Name:	MICA (MICA Products)
Background:	FLJ60820, MGC111087, MICA, PERB11.1, DAMA-345G11.2, FLJ36918, FLJ60820, MGC21250,TMICA (MHC class I chain-related gene A) is a transmembrane glycoprotein that

Target Details

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.

Molecular Weight:	35.8 kDa. Due to glycosylation, the protein migrates to 60-68 kDa based on Tris-Bis PAGE result.
UniProt:	Q96QC4
Pathways:	Activation of Innate immune Response , Transition Metal Ion Homeostasis , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

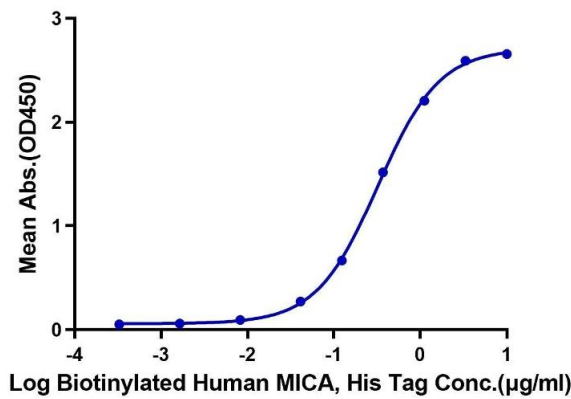
Application Details

Restrictions:	For Research Use only
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Handling

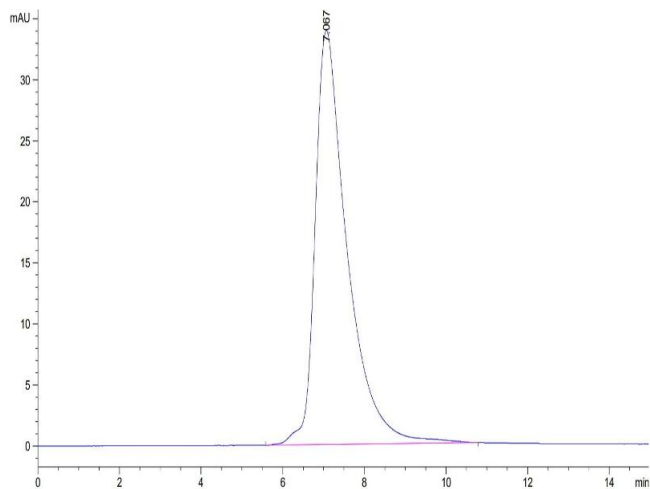
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C, -80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Biotinylated Human MICA, His Tag ELISA
0.2µg Human NKG2D, hFc Tag Per Well



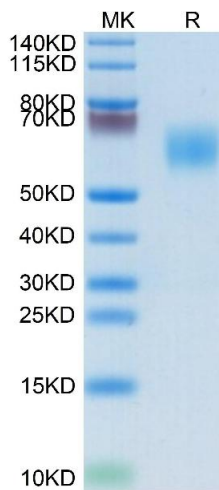
ELISA

Image 1. Immobilized Human NKG2D, hFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human MICA, His Tag with the EC50 of 0.32 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human MICA is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human MICA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275256.