



[Go to Product page](#)

Datasheet for ABIN6964102

MICA Protein (AA 24-307) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	MICA
Protein Characteristics:	AA 24-307
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICA protein is labelled with His tag.
Application:	ELISA

Product Details

Purpose:	Recombinant Human MICA Protein with C-terminal 6xHis tag
Specificity:	MICA (Glu24-Trp307) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	MICA
Alternative Name:	MICA (MICA Products)

Target Details

Background:	This gene encodes the highly polymorphic major histocompatibility complex class I chain-related protein A. The protein product is expressed on the cell surface, although unlike canonical class I molecules it does not seem to associate with beta-2-microglobulin. It is a ligand for the NKG2-D type II integral membrane protein receptor. The protein functions as a stress-induced antigen that is broadly recognized by intestinal epithelial gamma delta T cells. Variations in this gene have been associated with susceptibility to psoriasis 1 and psoriatic arthritis, and the shedding of MICA-related antibodies and ligands is involved in the progression from monoclonal gammopathy of undetermined significance to multiple myeloma. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Molecular Weight:	predicted molecular mass of 33.5 kDa after removal of the signal peptide. The apparent molecular mass of MICA-His is 55-70 kDa due to glycosylation.
Gene ID:	100507436
UniProt:	Q29983
Pathways:	Activation of Innate immune Response , Transition Metal Ion Homeostasis

Application Details

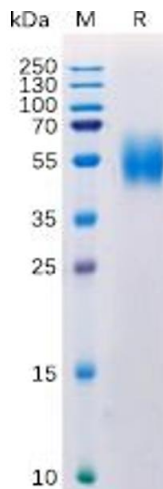
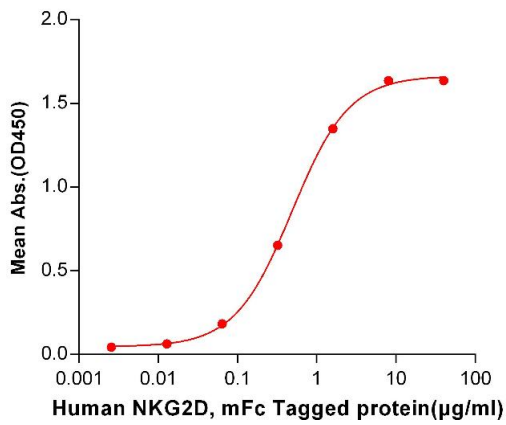
Restrictions: For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months

Human MICA, His Tagged protein ELISA

0.2 µg of MICA, His Tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human BCMA, His tagged protein (ABIN6964102) can bind Human NKG2D, mFc tagged protein (ABIN6961134) in a linear range of 0.064-1.6 µg/mL.

SDS-PAGE

Image 2. Human MICA Protein, His Tag on SDS-PAGE under reducing condition.