

Datasheet for ABIN7092957
anti-MICA antibody (AA 24-307)



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1 Image

Overview

Quantity:	100 µg
Target:	MICA
Binding Specificity:	AA 24-307
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MICA antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human MICA(Glu24-Trp307) (ABIN6964102) produced by using human HEK293 cells
Clone:	DM157
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	MICA
Alternative Name:	MICA (MICA Products)
Background:	Synonyms: MIC-A, PERB11.1

Target Details

Description: 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]

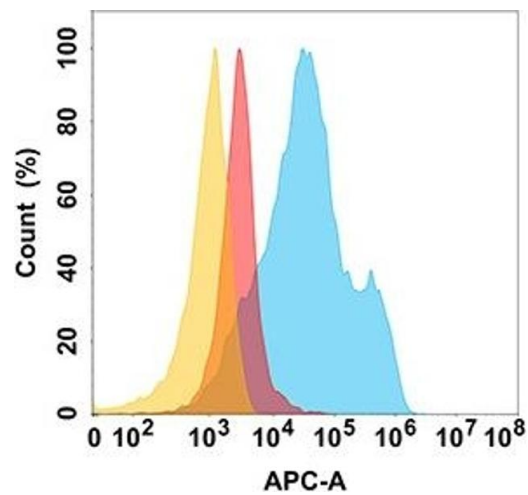
Molecular Weight:	42.9KDa
Pathways:	Activation of Innate immune Response , Transition Metal Ion Homeostasis , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	ELISA 1/5000-10000, Flow Cyt 1/100
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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



Flow Cytometry

Image 1. MICA protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-MICA (DM157) on Expi293 cells transfected with human MICA (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).