

## ARG44704 anti-MICA antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes MICA
Tested Reactivity	Hu
Tested Application	IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	MICA
Species	Human
Conjugation	Un-conjugated
Alternate Names	MHC class I polypeptide-related sequence A; PERB11.1; MIC-A

### Application Instructions

Application table	Application	Dilution
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

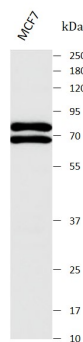
Gene Symbol	MICA
Gene Full Name	MHC class I polypeptide-related sequence A
Background	This gene encodes the highly polymorphic major histocompatibility complex class I chain-related

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]

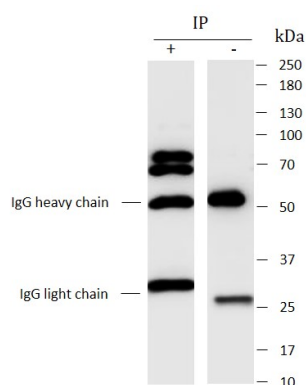
Function	Seems to have no role in antigen presentation. Acts as a stress-induced self-antigen that is recognized by gamma delta T-cells. Ligand for the KLRK1/NKG2D receptor. Binding to KLRK1 leads to cell lysis. [UniProt]
Calculated Mw	43 kDa
PTM	N-glycosylation enhances cell surface expression and lengthens receptor half-life by preventing degradation in the ER.
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Cytoplasm. Note=Expressed on the cell surface in gastric epithelium, endothelial cells and fibroblasts and in the cytoplasm in keratinocytes and monocytes. Infection with human adenovirus 5 suppresses cell surface expression due to the adenoviral E3-19K protein which causes retention in the endoplasmic reticulum. [UniProt]

## Images

ARG44704 anti-MICA antibody WB image



Western blot: MCF7 stained with ARG44704 anti-MICA antibody at 1 µg/mL dilution.



ARG44704 anti-MICA antibody IP image

Immunoprecipitation: MCF7 lysate immunoprecipitated with 2.5 µg of ARG44704 anti-MICA antibody.