MICA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MICA, Polyclonal Antibody
Full Product Name	MICA Polyclonal Antibody
Product Gene Name	anti-MICA antibody
Product Synonym Names	MHC class I polypeptide-related sequence A; MIC-A; MICA; PERB11.1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	42
OMIM	177900
3D Structure	ModBase 3D Structure for Q29983
Immunogen	Synthesized peptide derived from human protein. at AA range: 30-110
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MICA antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MICA antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-MICA antibody	MBS8531590 is an antibody targeting MICA. Also known as MICA Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-MICA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MICA. It may not necessarily be applicable to this product.

NCBI GI #	4557751
NCBI GeneID	100507436
NCBI Accession #	NP_000238.1
UniProt Primary Accession #	Q29983
UniProt Secondary Accession #	O60917; O60918; O60919; O60920; O60933; O77956; O78150; A8KQR0; A9LRW5; A9QVE0; B1VJF1
UniProt Related Accession #	Q29983
GenBank Nucleotide #	NM_000247.2

NCBI Official Full Name	MHC class I polypeptide-related sequence A isoform 1 (MICA*001)
NCBI Official Synonym Full Names	MHC class I polypeptide-related sequence A
NCBI Official Symbol	MICA
NCBI Official Synonym Symbols	MIC-A; PERB11.1
UniProt Protein Name	MHC class I polypeptide-related sequence A
Protein Family	Lantibiotic michiganin
UniProt Gene Name	MICA
UniProt Synonym Gene Names	MIC-A
NCBI Protein Information	MHC class I polypeptide-related sequence A
NCBI Summary for MICA	This gene encodes the highly polymorphic major histocompatability 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]
UniProt Comments for MICA	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.
Research Articles on MICA	**1.** Strategies to block MICA-NKG2D interactions resulted in reductions in IFNgamma production. Depletion of monocytes in vivo resulted in decreased IFNgamma production by murine NK cells upon exposure to Ab-coated tumor cells
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