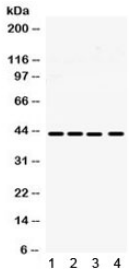
MICA Antibody (R32255)

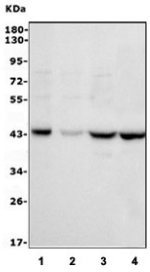
Catalog No.	Formulation	Size
R32255	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q29983
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This MICA antibody is available for research use only.



Western blot testing of human 1) SW620, 2) A549, 3) MCF-7 and 4) HeLa cell lysate with MICA antibody. Predicted molecular weight: ~43 kDa but may be observed at 38-62 kDa depending on truncation and glycosylation level.



Western blot testing of human 1) Raji, 2) SCG-7901, 3) SW620 and 4) Jurkat cell lysate with MICA antibody. Predicted molecular weight: ~43 kDa but may be observed at 38-62 kDa depending on truncation and glycosylation level.

Description

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. And 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.

Application Notes

Optimal dilution of the MICA antibody should be determined by the researcher.

Immunogen

Amino acids QSHWQTFHVSAVAAAAKFVEIIFYVRCCKKK of human MICA were used as the immunogen for the MICA antibody.

Storage

After reconstitution, the MICA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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