BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-MICA Antibody

Catalog Number: A01366

About MICA

Major histocompatibility complex (MHC) class I proteins are ubiquitously expressed and mediate the recognition of intracellular antigens by cytotoxic T cells. A related family, termed the MHC class I chain-related (MIC) proteins are recognized by NKG2D, a receptor on NK and T cells, and promote anti-tumor activity. MICA, a member of the MIC family, is widely expressed on many tumors, and it is the MICA/NKG2D interaction that is thought to stimulate the anti-tumor reactivity by T lymphocytes. Both MICA and MICB mRNA are widely expressed in normal tissues, with MICA being present in virtually every tissue except the nervous system, suggesting that MIC protein expression may only be one component of the anti-tumor activity of the immune system.

Overview

Product Name	Anti-MICA Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MICA Antibody (Catalog # A01366). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	MICA Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	MICA antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q29983

Technical Details

Immunogen	MICA antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human MICA. The immunogen is located within the last 50 amino acids of MICA.
Predicted Reactive Species	Bovine, Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	MICA Antibody is affinity chromatography purified via peptide column.

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Suggested Dilutions	MICA antibody can be used for detection of MICA by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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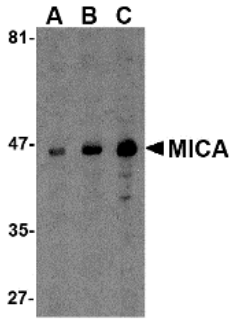
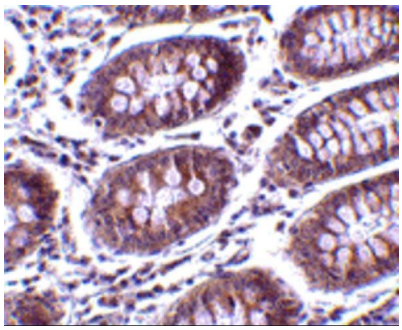
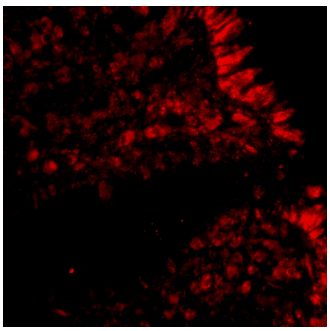
Anti-MICA Antibody (A01366) Images



Western blot analysis of MICA in A-20 cell lysate with MICA antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of MICA in human colon tissue with MICA antibody at 10 ug/mL.



Immunofluorescence of MICA in Human Colon tissue with MICA antibody at 20 ug/mL.

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Anti-MICA Antibody

For Research Use Only. Not for use in diagnostic procedures.