

MICA Monoclonal antibody

Catalog Number: 66384-1-Ig

3 Publications

Basic Information

Catalog Number:

66384-1-Ig

Size:

1500 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3298

GenBank Accession Number:

BC016929

GeneID (NCBI):

100507436

UNIPROT ID:

Q29983

Full Name:

MHC class I polypeptide-related sequence A

Calculated MW:

383 aa, 43 kDa

Observed MW:

43-50 kDa

Purification Method:

Protein A purification

CloneNo.:

1E2C8

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HaCaT cells, Daudi cells, Raji cells, Jurkat cells, HeLa cells, A431 cells

IHC : human tonsillitis tissue, human colon tissue

Background Information

Human MHC class I chain-related genes located within the HLA class I region of chromosome 6 encode MHC class I chain-related A and B (MICA and MICB) (PMID: 11429322). MICA and MICB are stress-inducible surface molecules that are not associated with β 2-microglobulin and do not present peptides (PMID: 9497295). They are expressed in intestinal epithelium and many epithelial tumors (PMID: 10359807). MICA and MICB are ligands for NKG2D which is an activating receptor that is expressed on most natural killer (NK) cells, CD8 α β T cells, and γ δ T cells (PMID: 10426993, 11491531).

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Fang	35183714	Pharmacol Res	IF
Chunmei Yang	38043385	Phytomedicine	WB,IF
Deli Mao	37591356	Cancer Lett	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

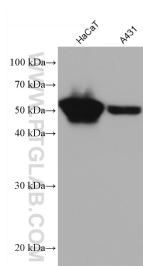
For technical support and original validation data for this product please contact:

T: 4006900926

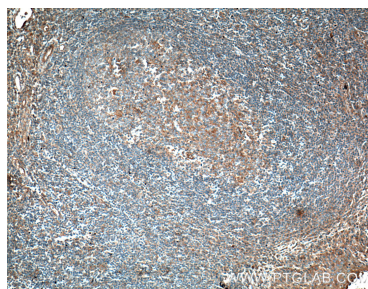
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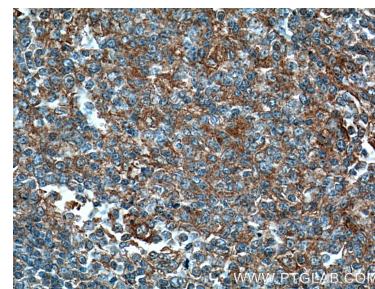
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66384-1-Ig (MICA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66384-1-Ig (MICA Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66384-1-Ig (MICA Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).