

For Research Use Only

# FcZero-rAb® Biotin Anti-Human MICA/MICB Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98110



## Basic Information

Catalog Number:

Biotin-FcA98110

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1176

GenBank Accession Number:

/

GeneID (NCBI):

100507436

UNIPROT ID:

Q29983

Full Name:

MHC class I polypeptide-related sequence A

Calculated MW:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

240735D5

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC, ELISA

Species Specificity:

human

Positive Controls:

FC : HeLa cells,

## 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  $\beta$ 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  $\alpha\beta$  T cells, and  $\gamma\delta$  T cells (PMID: 10426993; 11491531). This antibody recognizes both MICA and MICB.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

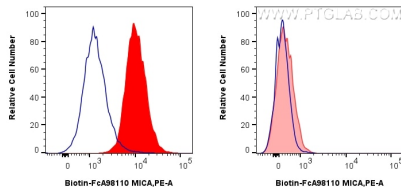
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> HeLa cells (left) or Jurkat cells (right) were surface stained with 0.25ug Biotin Anti-Human MICA/MICB Rabbit RecAb (Biotin-FcA98110, Clone: 240735D5) (red) or 0.25ug Isotype Control (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.