

For Research Use Only

Biotin Anti-Human MICA/MICB (6D4) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65589



Basic Information

Catalog Number:

Biotin-65589

Size:

100ug , 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

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

Purification Method:

Protein A purification

CloneNo.:

6D4

Recommended Dilutions:

FC: 0.25 ug per 10⁶ 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 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 $\alpha\beta$ T cells, and $\gamma\delta$ T cells (PMID: 10426993; 11491531). The monoclonal antibody 6D4 recognizes 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

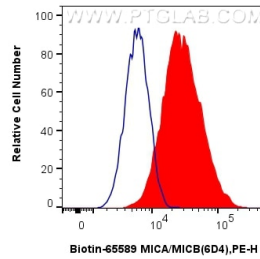
For technical support and original validation data for this product please contact:

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Selected Validation Data



1×10^6 HeLa cells were surface stained with 0.25 μ g Biotin Anti-Human MICA/MICB (6D4) Mouse IgG2a RecAb (Biotin-65589, Clone: 6D4) (red) or unstained (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.