For Research Use Only

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

Catalog Number:Biotin-65589

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
Biotin-65589

Concentration:
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 10^6 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

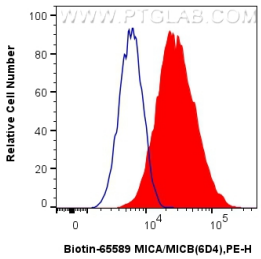
Human MHC class I chain-related genes located within the HLA class I region of chromosome 6 encode MHC class I chain-related A and B (MICA and MICB) (PMID: 11429322). MICA and MICB are stress-inducible surface molecules that are not associated with β 2-microglobulin and do not present peptides (PMID: 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 α β T cells, and γ δ 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:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1x10^6 HeLa cells were surface stained with 0.25 ug 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.