

For Research Use Only

APC Anti-Human MICA/MICB (6D4)

Catalog Number: APC-65161



Basic Information

Catalog Number:
APC-65161

Size:
100tests , 5 ul/test

Source:
Mouse

Isotype:
IgG2a, kappa

GenBank Accession Number:
BC016929

GeneID (NCBI):
100507436

Full Name:
MHC class I polypeptide-related
sequence A

Calculated MW:
383 aa, 43 kDa

Purification Method:

The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:
6D4

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC

Species Specificity:
Human

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.

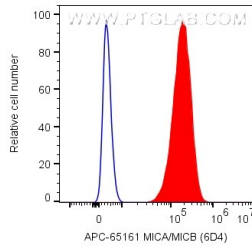
Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

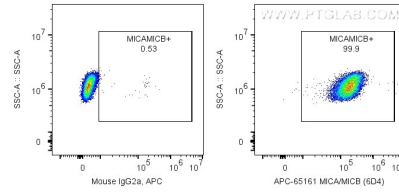
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ HeLa cells were surface stained with 5 ul APC Anti-Human MICA/MICB (APC-65161, Clone:6D4) or APC Mouse IgG2a Isotype Control. Cells were not fixed.



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