

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

**UNIPROT ID:**

Q29983

**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  $\beta$  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). 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:

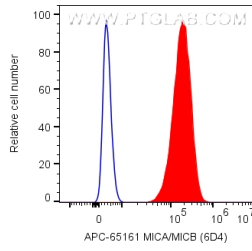
T: 4006900926

E: Proteintech-CN@ptglab.com

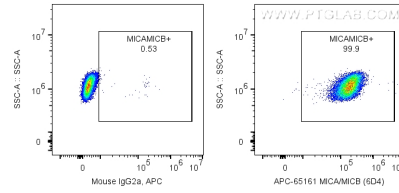
W: ptgcn.com

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## Selected Validation Data



1X10<sup>6</sup> 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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