

For Research Use Only

# Anti-Human MICA/MICB (6D4) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65589-1-PBS



## Basic Information

Catalog Number:

65589-1-PBS

Size:

1mg, 2 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC016929

GeneID (NCBI):

100507436

Full Name:

MHC class I polypeptide-related sequence A

Calculated MW:

383 aa, 43 kDa

Purification Method:

Protein A purification

CloneNo.:

6D4

## 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 -80°C.

Storage Buffer:

PBS Only

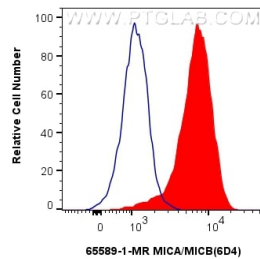
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> HeLa cells were surface stained with 0.2 ug Anti-Human MICA/MICB Mouse IgG2a Recombinant Antibody (65589-1-MR, Clone: 6D4) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C.1.18.4) (blue) and Coralite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 65589-1-PBS in a different storage buffer formulation.