

For Research Use Only

CoraLite® Plus 488 Anti-Human MICA/MICB (6D4)



Catalog Number: **CL488-65161**

Basic Information

Catalog Number: CL488-65161	GenBank Accession Number: BC016929	Purification Method: Purified by protein-A affinity chromatography
Size: 100tests , 5 ul/test	GeneID (NCBI): 100507436	CloneNo.: 6D4
Source: Mouse	Full Name: MHC class I polypeptide-related sequence A	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a, kappa	Calculated MW: 383 aa, 43 kDa	

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

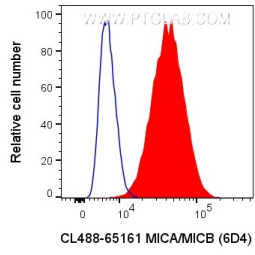
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were surface stained with 5 ul CoraLite® Plus 488 Anti-Human MICA/MICB (CL488-65161, Clone:6D4) (red), or Mouse IgG2a Isotype Control (blue). Cells were not fixed.