Anti-Human MICA/MICB (6D4)

Catalog Number:65161-1-Ig

3 Publications

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Basic Information

Catalog Number:
65161-1-Ig

Size:
500ug , 0.5 mg/ml

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:
Purified by protein-A affinity chromatography

CloneNo.:
6D4

Applications

Tested Applications:
FC

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
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 β2-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 αβ T cells, and γ δ T cells (PMID: 10426993; 11491531). The monoclonal antibody 6D4 recognizes MICA and MICB.

Notable Publications

Author	Pubmed ID	Journal	Application
Fei Liu	36497344	Cancers (Basel)	WB
Yang Wang	32349046	J Immunother	WB
Hui-Yang Wu	34999394	Int Immunopharmacol	WB

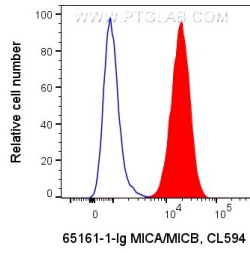## Storage

Storage:
Store at 2-8℃. Stable for one year after shipment.
Storage Buffer:
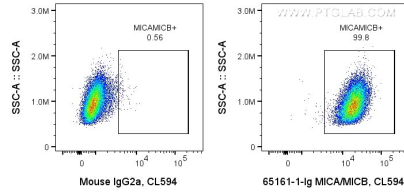PBS with 0.09% sodium azide.

Selected Validation Data

1X10^6 HeLa cells were surface stained with 0.2 ug Anti-Human MICA/MICB (65161-1-Ig, Clone: 6D4) or Mouse IgG2a Isotype Control and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were not fixed.

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