

For Research Use Only

Anti-Human MICA/MICB Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98110-1-PBS



Basic Information

Catalog Number:

98110-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

AAH16929.1

GeneID (NCBI):

4276

Full Name:

MHC class I polypeptide-related sequence A

Calculated MW:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

240735D5

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). This antibody recognizes both MICA and MICB.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

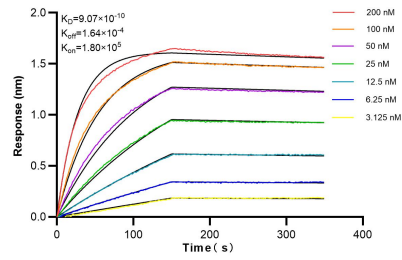
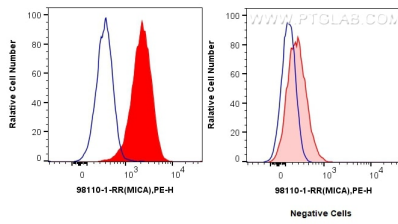
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Selected Validation Data



1x10⁶ HeLa cells (left) or Jurkat cells (right) were surface stained with 0.25 ug Anti-Human MICA/MICB Rabbit Recombinant Antibody (98110-1-RR, Clone: 240735D5) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98110-1-PBS in a different storage buffer formulation.

Biolayer interferometry (BLI) kinetic assays of 98110-1-RR against Human MICA were performed. The affinity constant is 0.907 nM.