

For Research Use Only

MICA/MICB Recombinant antibody, PBS Only

Catalog Number: 83725-5-PBS



Basic Information

Catalog Number:

83725-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Observed MW:

50-60 kDa

Purification Method:

Protein A purification

CloneNo.:

240735D9

Applications

Tested Applications:

WB, ELISA

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

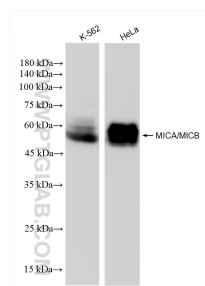
For technical support and original validation data for this product please contact:

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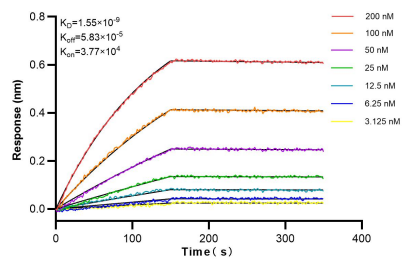
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83725-5-RR (MICA/MICB antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83725-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83725-5-RR against Human MICA were performed. The affinity constant is 1.55 nM.