

For Research Use Only

MICA/MICB Recombinant antibody

Catalog Number: 83725-5-RR



Basic Information

Catalog Number: 83725-5-RR	GenBank Accession Number: AAH16929.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 100507436	CloneNo.: 240735D9
Source: Rabbit	Full Name: MHC class I polypeptide-related sequence A	Recommended Dilutions: WB 1:2000-1:16000
Isotype: IgG	Calculated MW: 43 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : K-562 cells, HeLa cells
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

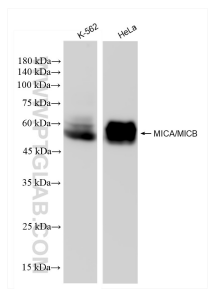
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

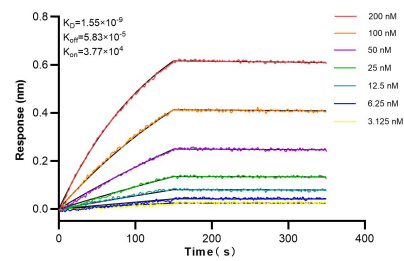
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.



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