

For Research Use Only

# MICA/MICB Recombinant antibody

Catalog Number:83725-5-RR



## Basic Information

**Catalog Number:**

83725-5-RR

**Size:**

1000 ug/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

**Observed MW:**

50-60 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240735D9

**Recommended Dilutions:**

WB 1:2000-1:16000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : K-562 cells, HeLa cells

## 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  $\beta$  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

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

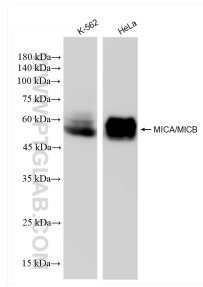
T: 4006900926

E: Proteintech-CN@ptglab.com

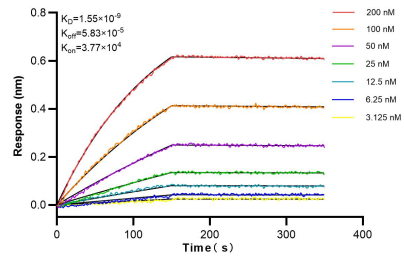
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## Selected Validation Data



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.