

For Research Use Only

# MICA Recombinant antibody, PBS Only

Catalog Number: 84850-5-PBS



## Basic Information

**Catalog Number:**

84850-5-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC016929

**GeneID (NCBI):**

100507436

**UNIPROT ID:**

Q29983

**Full Name:**

MHC class I polypeptide-related sequence A

**Calculated MW:**

383 aa, 43 kDa

**Observed MW:**

58 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

242004C2

## Applications

**Tested Applications:**

WB, Indirect 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  $\beta$ 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).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

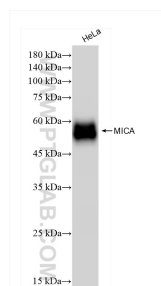
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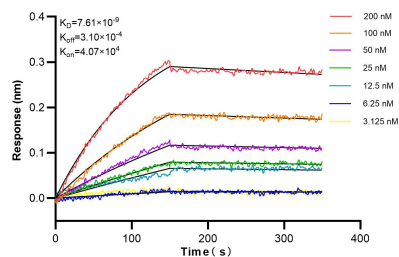
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 84850-5-RR (MICA antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84850-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84850-5-RR against Human MICA were performed. The affinity constant is 7.61 nM.