

## Anti-MICB Antibody (6I83)

## Product Details

|               |              |
|---------------|--------------|
| Ig Type:      | Mouse IgG1   |
| Reactivity:   | Human        |
| Conjugation:  | Unconjugated |
| Clone:        | 6I83         |
| Purification: | Protein A    |

## Applications

|              |            |
|--------------|------------|
| Application: | ELISA(Cap) |
|--------------|------------|

## Properties

|                      |  |
|----------------------|--|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping:            | Shipping with blue ice.  |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Recombinant Protein: Human MICB Protein (TMPY-01066) |
| Antigen Species: | Human  |
| Synonyms:        | PERB11.2;MHC class I polypeptide-related sequence B  |

## Research Background

MHC class I polypeptide-related sequence B, also known as MICB, is a heavily glycosylated protein serving as a ligand for the type II receptor NKG2D. MICB shares 85% amino acid identity with MICA, a closely related protein, both of which contain three extracellular immunoglobulin-like domains, but without the capacity to bind peptide or interact with beta-2-microglobulin. acting as a stress-induced self-antigen, binding of MICB to the NKG2D receptor activates the cytolytic response of natural killer (NK) cells, CD8+ $\alpha\beta$  T cells, and  $\gamma\delta$  T cells on which the receptor is expressed. MICA/B is minimally expressed on normal cells, but are frequently expressed on epithelial tumors and can be induced by bacterial and viral infections. MICA/B recognition thus is involved in tumor surveillance, viral infections, and autoimmune diseases.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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