

PRODUCT INFORMATION

MICB Target

Synonyms MIC-B; PERB11.2

Recombinant Human MICB Protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** Q29980 **HEK293 Expression Host** Tag C-6×His Tag

Molecular

Background

MICB(Ala23-Asp309) 6×His tag Characterization

The protein has a predicted molecular mass of 33.5 kDa after removal of the signal peptide. The apparent molecular mass of MICB-His is

Molecular Weight

approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8

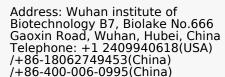
alphabeta T cells, and gammadelta T cells which express the receptor. This protein is stress-induced and is similar to MHC class I molecules, however, it does not associate with beta-2microglobulin or bind peptides. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Jan 2014]

Usage Research use only

Unconjugated Conjugate









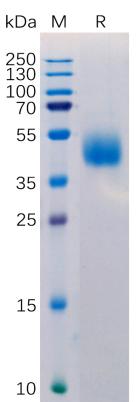


Figure 1. Human MICB Protein, His Tag on SDS-PAGE under reducing condition.

Figure 2. ELISA plate pre-coated by 1 μ g/mL (100 μ L/well) Human MICB protein, His Tag (PME100516) can bind Anti-MICB Rabbit mAb in a linear range of 0.128-16 ng/mL.

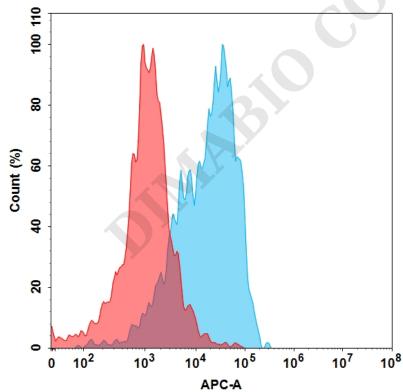


Figure 3. Flow cytometry analysis with 15 μ g/mL Human MICB Protein, His Tag (PME100516) on HEK293 cells transfected with Human NKG2D protein and Human DAP10 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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