

## PRODUCT INFORMATION

<b>Target</b>	MICB
<b>Synonyms</b>	MIC-B;PERB11.2
<b>Description</b>	Recombinant Human MICB Protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q29980
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	MICB(Ala23-Asp309) 6×His tag
<b>Molecular Weight</b>	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 approximately 35-55 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	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-2-microglobulin or bind peptides. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



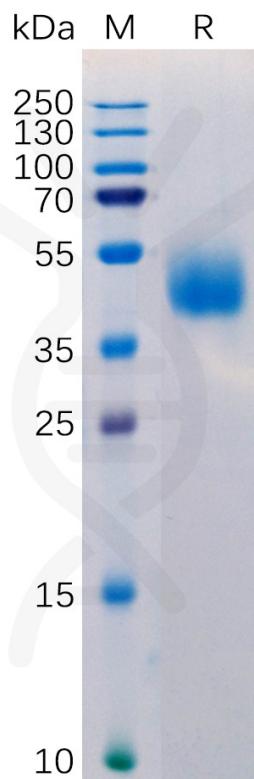
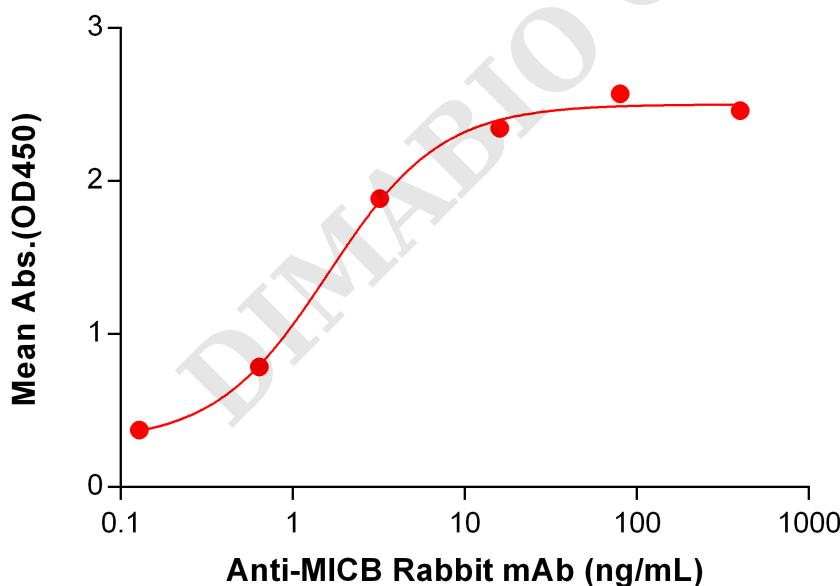


Figure 1. Human MICB Protein, His Tag on SDS-PAGE under reducing condition.

### Human MICB, His tagged protein ELISA

0.1  $\mu$ g of Human MICB, His tagged protein per well

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

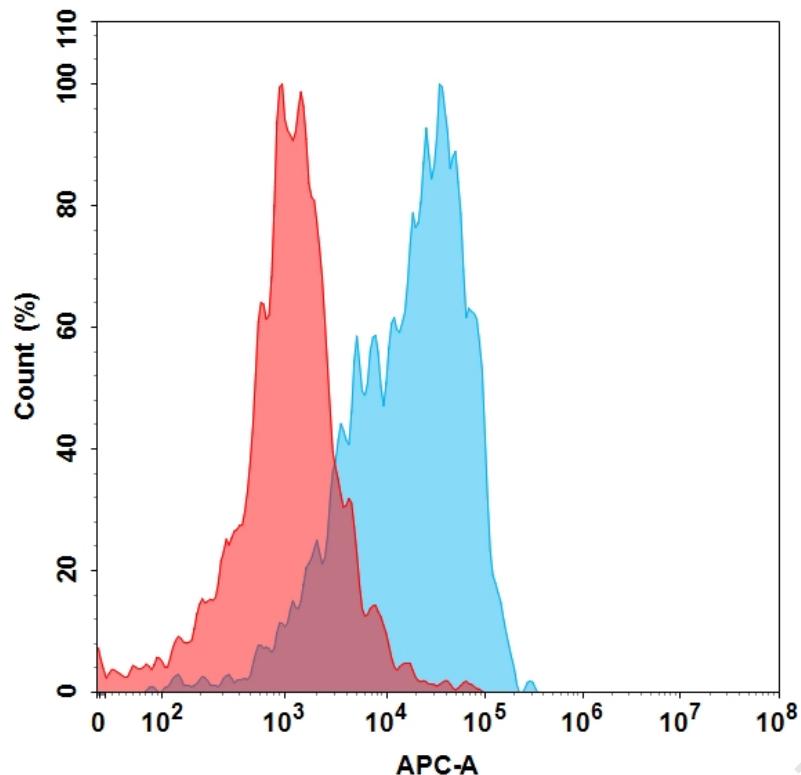


Figure 3. Flow cytometry analysis with 15  $\mu$ g/mL Human MICB Protein, His Tag (PME100516) on HEK293 cells transfected with Human NKG2D protein and Human DAP10 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

