

Synonym

PERB11.2

Source

Human MICB Protein, His Tag(MIB-H52H3) is expressed from human 293 cells (HEK293). It contains AA Ala 23 - Thr 308 (Accession # [NP_005922.2](#)).

Predicted N-terminus: Ala 23

Molecular Characterization

MICB(Ala 23 - Thr 308) NP_005922.2	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 34.5 kDa. The protein migrates as 45-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.5 M Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

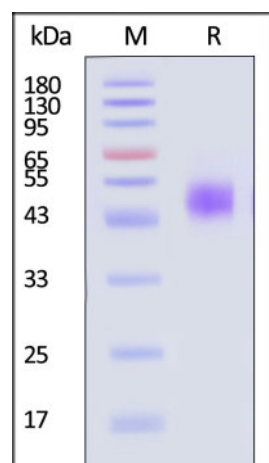
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

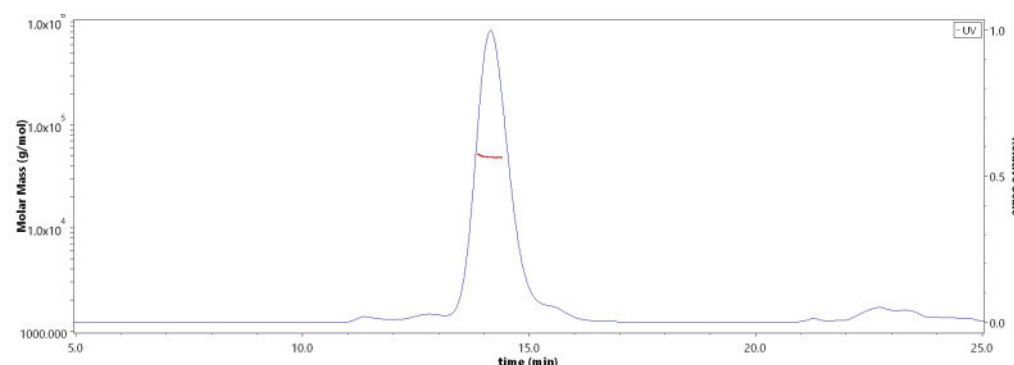
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

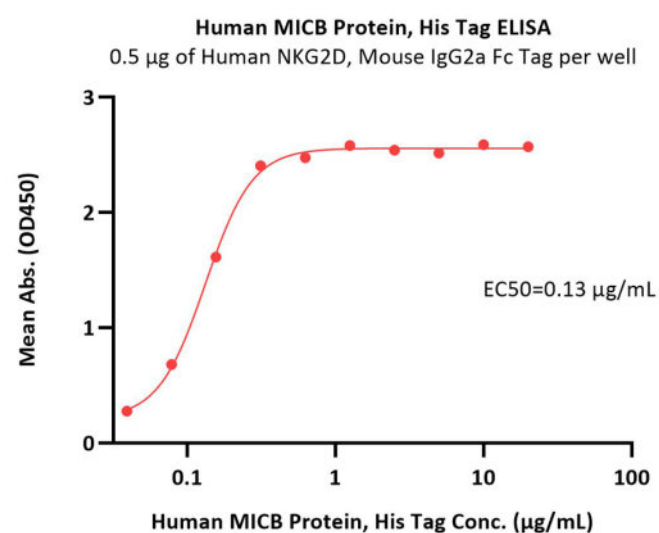
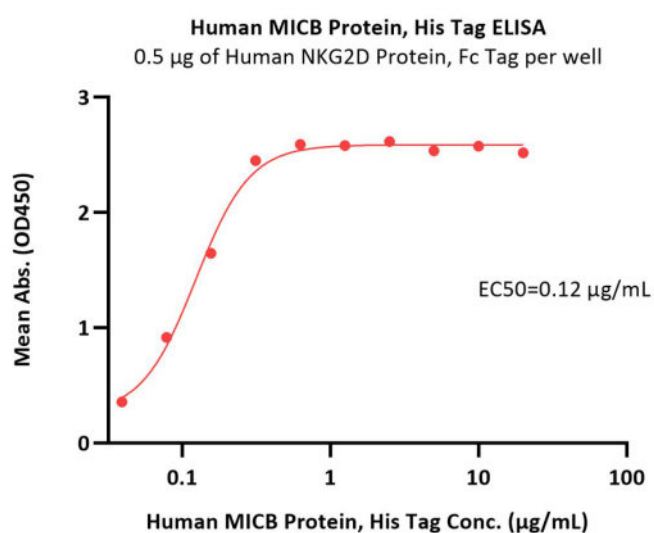
SDS-PAGE

Human MICB Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA**SEC-MALS**

The purity of Human MICB Protein, His Tag (Cat. No. MIB-H52H3) is more than 85% and the molecular weight of this protein is around 40-55 kDa verified by SEC-MALS.

[Report](#)



Immobilized Human NKG2D Protein, Fc Tag (Cat. No. NKD-H5265) at 5 µg/mL (100 µL/well) can bind Human MICB Protein, His Tag (Cat. No. MIB-H52H3) with a linear range of 0.039-0.625 µg/mL (QC tested).

Immobilized Human NKG2D, Mouse IgG2a Fc Tag (Cat. No. NKD-H5259) at 5 µg/mL (100 µL/well) can bind Human MICB Protein, His Tag (Cat. No. MIB-H52H3) with a linear range of 0.039-0.313 µg/mL (Routinely tested).

Background

Acts as a stress-induced self-antigen that is recognized by gamma delta T cells. Ligand for the KLRK1/NKG2D receptor. Binding to KLRK1 leads to cell lysis.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.