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Datasheet for ABIN7275258

MICB Protein (His-Avi Tag,Biotin)**2** Images

Overview

Quantity:	100 µg
Target:	MICB
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICB protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Ala23-Gly298
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	MICB
Alternative Name:	MICB (MICB Products)
Background:	MICB, MIC-B, PERB11.2,MICB (MHC class I chain-related gene B) is a transmembrane glycoprotein that functions as a ligand for NKG2D. A closely related protein, MICA, shares 85 % amino acid identity with MICB.MICB Seems to have no role in antigen presentation. 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.

Target Details

Molecular Weight:	34.4 kDa. Due to glycosylation, the protein migrates to 48-65 kDa based on Tris-Bis PAGE result.
UniProt:	Q29980
Pathways:	Human Leukocyte Antigen (HLA) in Adaptive Immune Response

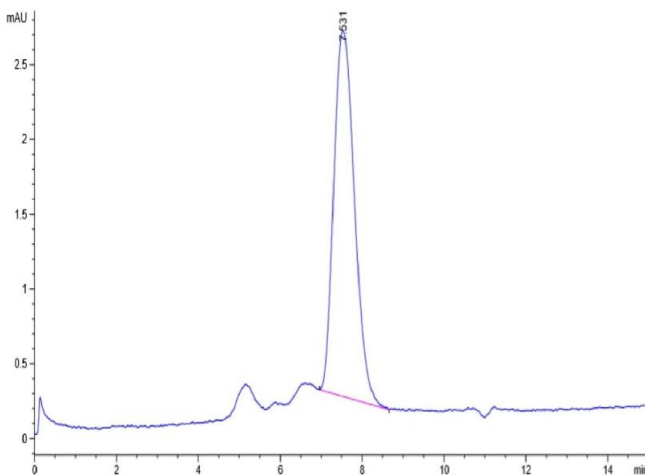
Application Details

Restrictions:	For Research Use only
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Handling

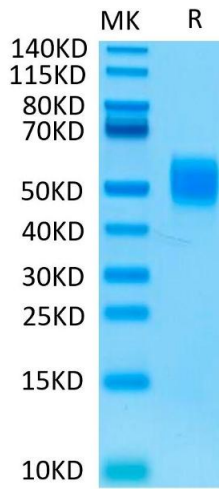
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C, -80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Biotinylated Human MICB is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Biotinylated Human MICB on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .