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Datasheet for ABIN7454188
MICB Protein (AA 23-298) (Fc Tag)

Overview

Quantity:	100 µg
Target:	MICB
Protein Characteristics:	AA 23-298
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICB protein is labelled with Fc Tag.

Product Details

Purpose:	Human MICB Protein
Sequence:	Ala23-Gly298
Characteristics:	Recombinant Human MICB Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains 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.
Biological Activity Comment:	Immobilized Human MICB, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-MICB Antibody, hFc Tag with the EC50 of 54.9ng/ml determined by ELISA (QC Test). The affinity constant of 95.15 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	MICB
Alternative Name:	MICB (MICB Products)
Background:	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.
Molecular Weight:	58.21 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months