

Datasheet for ABIN7317771 **MICB Protein (His tag,Fc Tag)**

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Overview

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

Product Details

Purpose:	Recombinant Human MICB Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Gly 298
Characteristics:	A DNA sequence encoding the extracellular domain of human MICB (NP_005922.2) (Met 1-Gly 298) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized human His-NKG2D (78-216) at 10 µg/ml (100 µl/well) can bind human MICB-Fch, The EC50 of human MICB-Fch is 15.9-37.1 ng/ml.

Target Details

Target:	MICB
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Target Details

Alternative Name:	MICB (MICB Products)
Background:	<p>Background: MHC class I polypeptide-related sequence B; also known as MICB; is a heavily glycosylated protein serving as a ligand for the type I I receptor NKG2D. MICB shares 85% amino acid identity with MICA; a closely related protein; both of which contain three extracellular immunoglobulin-like domains; but without capacity to bind peptide or interact with beta-2-microglobulin. acting as a stress-induced self-antigen; binding of MICB to the NKG2D receptor activates the cytolytic response of natural killer (NK) cells; CD8+αβ T cells; and γδ T cells on which the receptor is expressed. MICA/B are minimally expressed on normal cells; but are frequently expressed on epithelial tumors and can be induced by bacterial and viral infections. MICA/B recognition thus is involved in tumor surveillance; viral infections; and autoimmune diseases.</p> <p>Synonym: PERB11.2</p>
Molecular Weight:	59.5 kDa
NCBI Accession:	NP_005922
Pathways:	Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>