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Datasheet for ABIN7318779 MICA Protein (Fc Tag)

Overview

Quantity:	50 µg
Target:	MICA
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MICA protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human MICA Protein (Fc Tag)(Active)
Sequence:	Ala23-Glu308
Characteristics:	Recombinant Human MHC Class I Polypeptide-Related Sequence A is produced by our Mammalian expression system and the target gene encoding Ala23-Glu308 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human MICA-Fc at 2µg/ml(100 µl/well) can bind Human NKG2DL2-His(Cat: PKSH032816). The ED50 of Human MICA-Fc is 2.29 ug/ml .

Target Details

Target:	MICA
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Target Details

Alternative Name:	MICA (MICA Products)
Background:	<p>Background: MHC class I polypeptide-related sequence A, also known as MIC-A, PERB11.1 and MICA, is a single-pass type I membrane protein which belongs to the MHC class I family of MIC subfamily. MICA contains one Ig-like C1-type domain and is expressed on the cell surface, although unlike canonical class I molecules does not seem to associate with beta-2-microglobulin. It is thought that MICA functions as a stress-induced antigen that is broadly recognized by NK cells, NKT cells, and most of the subtypes of T cells. MICA is the ligand for NK cell activating receptor KLRK1/NKG2D. MICA seems to have no role in antigen presentation. MICA leads to cell lysis by binding to KLRK1.</p> <p>Synonym: MHC Class I Polypeptide-Related Sequence A, MIC-A, MICA, PERB11.1</p>
Molecular Weight:	59.9 kDa
UniProt:	Q29983
Pathways:	Activation of Innate immune Response , Transition Metal Ion Homeostasis , 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 a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	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.