

Datasheet for ABIN6719775

MICB ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	MICB
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: MHC class I chain related protein B, MHC class I like molecule PERB11.2 IMX, MHC class I mic B antigen, MHC class I polypeptide related sequence B, MHC class I polypeptide-related sequence B, MIC B, MIC-B, MICB, MICB_HUMAN, PERB11.2, Stress inducible class I homolog</p> <p>Background: MHC class I polypeptide-related sequence B, also called MICB is a protein that in humans is encoded by the MICB gene. The MICB gene is mapped to 6p21.33. This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer(NK) cells, CD8 alphabeta T cells,</p>

Product Details

and gammadelta T cells which express the receptor. This protein is stress-induced and is similar to MHC class I molecules, however, it does not associate with beta-2-microglobulin or bind peptides. It seems to have no role in antigen presentation. This gene acts as a stress-induced self-antigen that is recognized by gamma delta T cells. It is the ligand for the KLRK1/NKG2D receptor and binds to KLRK1 leads to cell lysis.

Gene Name: MICB

Production: Natural and recombinant human MICB. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A23-G298

Target Details

Target:	MICB
Alternative Name:	MICB (MICB Products)
Gene ID:	4277
NCBI Accession:	NP_001276089
UniProt:	Q29980
Pathways:	Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human MICB standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human MICB standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 62.5pg/mL-4000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

