

Human MICB ELISA Kit | MICB elisa kit

Human MICB ELISA Kit

CATALOG # AAA105650	REACTIVITY Human	APPLICATIONS ELISA
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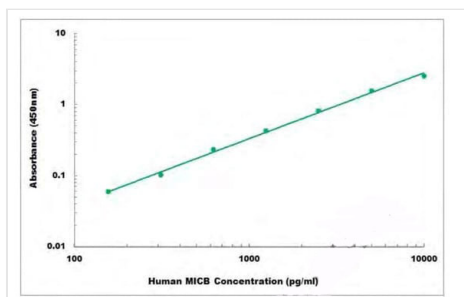
PRODUCT SYNONYMS

MICB; Human MICB ELISA Kit; PERB11.2; MHC class I polypeptide-related sequence B; MIC-B; MICB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human MICB ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human MICB proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	351
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 80 pg/ml
Applicable Applications for MICB elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MICB elisa kit	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, 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. Principle of the Assay: The AAA Biotech' Human MICB ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human MICB in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human MICB coated on a 96-well plate. Standards and samples are pipetted into the wells and MICB present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human MICB antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MICB bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574584674
NCBI GeneID	4277
NCBI Accession #	NP_001276089.1
NCBI GenBank Nucleotide #	NM_001289160.1
UniProt Accession #	Q29980; O14499; O14500; O19798; O19799; O19800; O19801; O19802; A2AC57; A6NP85; B0UZ10; B2RAK2
Molecular Weight	4,287 Da
NCBI Official Full Name	MHC class I polypeptide-related sequence B isoform 2
NCBI Official Synonym Full Names	MHC class I polypeptide-related sequence B
NCBI Official Symbol	MICB
NCBI Official Synonym Symbols	PERB11.2
NCBI Protein Information	MHC class I polypeptide-related sequence B; MICB; MHC class I mic-B antigen; stress inducible class I homolog; MHC class I chain-related protein B; MHC class I-like molecule PERB11.2-IMX
UniProt Protein Name	MHC class I polypeptide-related sequence B
UniProt Gene Name	MICB
UniProt Synonym Gene Names	MIC-B
UniProt Entry Name	MICB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/micb/105650>