

Human MHC class I polypeptide related sequence B ELISA Kit | MICB elisa kit

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CATALOG #
AAA84948

REACTIVITY
Human

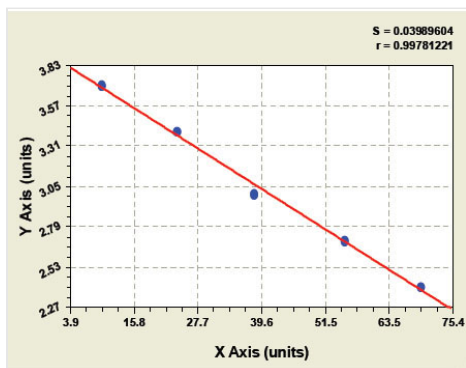
PRODUCT SYNONYMS

MHC class I polypeptide related sequence B; Human MHC class I polypeptide related sequence B ELISA Kit; MICB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MICB elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This MICB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MICB. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY MICB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MICB antibody and an MICB-HRP conjugate. The assay sample and buffer are incubated together with MICB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MICB concentration since MICB from samples and MICB-HRP conjugate compete for the anti-MICB antibody binding site. Since the number of sites is limited, as more sites are occupied by MICB from the sample, fewer sites are left to bind MICB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MICB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MICB elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	167857788
NCBI GeneID	4277
NCBI Accession #	NP_005922.2
NCBI GenBank Nucleotide #	NM_005931.4
Molecular Weight	4,287 Da
NCBI Official Full Name	MHC class I polypeptide-related sequence B isoform 1
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; 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	PERB11.2; 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.

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Online datasheet: <https://stage.aaabiotech.com/micb-human-elisa-kits/mhc-class-i-polypeptide-related-sequence-b/84948>