

Rat MHC class I polypeptide-related sequence A ELISA Kit | MICA elisa kit

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CATALOG #
AAA86996

REACTIVITY
Rat

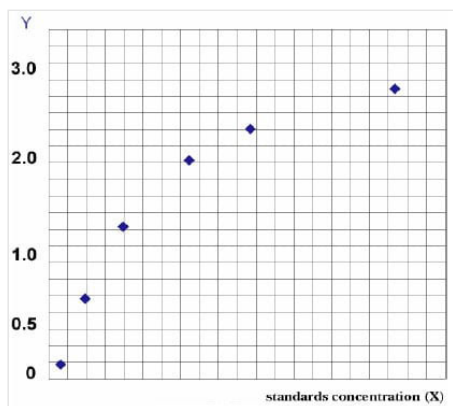
PRODUCT SYNONYMS

MHC class I polypeptide-related sequence A; Rat MHC class I polypeptide-related sequence A ELISA Kit; MICA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/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 MICA elisa kit	Intended Uses: This MHC I/H-2 II ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of MHC I/H-2 II in the sample, this MHC I/H-2 II ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus MHC I/H-2 II concentration. The concentration of MHC I/H-2 II in the samples is then determined by comparing the O.D. of the samples to the standard curve Principle of the Assay: This MHC I/H-2 II enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for MHC I/H-2 II. Standards or samples are then added to the microtiter plate wells and MHC I/H-2 II if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MHC I/H-2 II present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MHC I/H-2 II are added to each well to "sandwich" the MHC I/H-2 II immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MHC I/H-2 II and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Product Categories/Family for MICA elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	294660768
NCBI GeneID	100507436
NCBI Accession #	NP_001170990.1
NCBI GenBank Nucleotide #	NM_001177519.2
Molecular Weight	31,577 Da
NCBI Official Full Name	MHC class I polypeptide-related sequence A isoform 2 (MICA*00801)
NCBI Official Synonym Full Names	MHC class I polypeptide-related sequence A
NCBI Official Symbol	MICA
NCBI Official Synonym Symbols	MIC-A; PERB11.1
NCBI Protein Information	MHC class I polypeptide-related sequence A; HLA class I antigen; stress inducible class I homolog; MHC class I chain-related protein A
UniProt Protein Name	MHC class I polypeptide-related sequence A
UniProt Gene Name	MICA
UniProt Synonym Gene Names	PERB11.1; MIC-A
UniProt Entry Name	MICA_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/mica-rat-elisa-kits/mhc-class-i-polypeptide-related-sequence-a/86996>