

Human MICA ELISA Kit | MICA elisa kit

MICA Human ELISA Kit

CATALOG # AAA58884	REACTIVITY Human	APPLICATIONS ELISA
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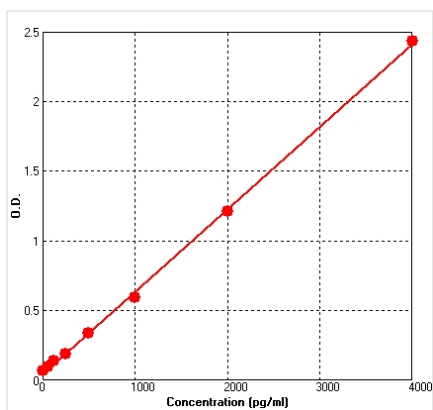
PRODUCT SYNONYMS

MICA; MICA Human ELISA Kit; Human MICA; MICA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 10pg/ml
Applicable Applications for MICA elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MICA elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MICA polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MICA polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MICA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MICA can be calculated. Background: MHC class I polypeptide-related sequence A(MICA) is a protein that in humans is encoded by the MICA gene. The MICA gene is located near HLA-B on chromosome 6. Nalabolu et al. (1996) showed that the MICA and MICB (602436) genes occur in a 200-kb region spanning the TNFA (191160) and TNFB (153440) cluster at chromosome 6p21.3. The protein product 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 NKG2D.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3850728
NCBI GeneID	100507436
UniProt Accession #	Q29983; O60917; O60918; O60919; O60920; O60933; O77956; O78150; A8KQR0; A9LRW5; A9QVE0; B1VJF1
Molecular Weight	42,915 Da
NCBI Official Full Name	MICA
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/human-elisa-kits/mica/58884>