MICA (Human) ELISA Kit

Catalog # KA0557 Size 1 Kit

Specification

Product Description	MICA (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human MICA.
Suitable Sample	Cell Culture Supernatant, Plasma, Serum, Tissue Lysate
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — MICA

Entrez GeneID	4276
Gene Name	MICA
Gene Alias	FLJ60820, MGC111087, PERB11.1

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Gene Description	MHC class I polypeptide-related sequence A
Omim ID	600169
Gene Ontology	Hyperlink
Gene Summary	MICA encodes the higly polymorphic MHC (HLA) class I chain-related gene A. 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 intestinal epithelial gamma delta T cells. [provided by RefSeq
Other Designations	HLA class I antigen|MHC class I chain-related gene A protein|MHC class I chain-related protein A|OTTHUMP00000029088|OTTHUMP00000035033|OTTHUMP00000035034|Stress inducible class I homolog

Publication Reference

- Recognition of stress-induced MHC molecules by intestinal epithelial gammadelta T cells.

  Groh V, Steinle A, Bauer S, Spies T.

  The Journal of Cell Biology 1998 Aug; 142(3):803.

- Genes in a 220-kb region spanning the TNF cluster in human MHC.

  Nalabolu SR, Shukla H, Nallur G, Parimoo S, Weissman SM.

  Genomics 1996 Jan; 31(2):215.

- A second lineage of mammalian major histocompatibility complex class I genes.

  Bahram S, Bresnahan M, Geraghty DE, Spies T.

  PNAS 1994 Jul; 91(14):6259.

Pathway

- Natural killer cell mediated cytotoxicity

Disease

- Abortion
- Addison Disease

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- Adenocarcinoma
- Alzheimer disease
- Amyloidosis
- Arthritis
- Asthma
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Behcet Syndrome
- Bile Duct Neoplasms
- Breast cancer
- Breast Neoplasms
- Brucellosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Cervical Intraepithelial Neoplasia
- Chlamydia Infections
- Cholangiocarcinoma
- Cholangitis
- Cholelithiasis
- Cleft Lip
- Cleft Palate
- Colitis
- Colorectal Neoplasms
- Crohn Disease

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- Cytomegalovirus Infections
- Diabetes
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Edema
- Eye Infections
- Fallopian Tube Diseases
- Familial Mediterranean fever
- Flaviviridae Infections
- Genetic Predisposition to Disease
- Graves Disease
- Hepatitis C
- Histoplasmosis
- HIV Infections
- Idiopathic Pulmonary Fibrosis
- Infertility
- Inflammatory Bowel Diseases
- Leprosy
- Leukemia
- Lung Diseases
- Lupus Erythematosus
- Malignant melanoma
- Melanoma
- Mixed Connective Tissue Disease

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- Mouth Neoplasms
- Multiple Sclerosis
- Mycobacterium avium-intracellulare Infection
- Nasopharyngeal Neoplasms
- Nutrition Disorders
- Obesity
- Oral Submucous Fibrosis
- Papillomavirus Infections
- Peripheral Vascular Diseases
- Polyendocrinopathies
- Psoriasis
- Purpura
- Retinal Diseases
- Skin Neoplasms
- Spondylarthropathies
- Spondylitis
- Stomach Neoplasms
- Syndrome
- Temporal Arteritis
- Thyroiditis
- Tumor Virus Infections
- Uterine Cervical Neoplasms
- Uveal Neoplasms

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