

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 μ L
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

Gene Description	MHC class I polypeptide-related sequence A
Omim ID	600169
Gene Ontology	Hyperlink
Gene Summary	MICA encodes the highly 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](#)

- [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](#)

- [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](#)

- [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](#)