MIF (Human) ELISA Kit

Catalog # KA0558 Size 1 Kit

Specification

Product Description	MIF (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human MIF.
Suitable Sample	Cell Culture Supernatant, Human milk, Plasma (heparin, EDTA), Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 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 — MIF

Entrez GeneID	4282
Gene Name	MIF
Gene Alias	GIF, GLIF, MMIF

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Gene Description	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
Omim ID	153620 604302
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. [provided by RefSeq
Other Designations	glycosylation-inhibiting factor|phenylpyruvate tautomerase

Publication Reference

- The macrophage migration inhibitory factor-glucocorticoid dyad: regulation of inflammation and immunity.

  Flaster H, Bernhagen J, Calandra T, Bucala R.

  Molecular Endocrinology (Baltimore, Md.) 2007 Jun; 21(6):1267.

  Application: Quant, Human, Human plasma

- Insight into the biology of macrophage migration inhibitory factor (MIF) revealed by the cloning of its cell surface receptor.

  Leng L, Bucala R.

  Cell Research 2006 Feb; 16(2):162.

- Genomic cloning of mouse MIF (macrophage inhibitory factor) and genetic mapping of the human and mouse expressed gene and nine mouse pseudogenes.

  Kozak CA, Adamson MC, Buckler CE, Segovia L, Paralkar V, Wistow G.

  Genomics 1995 Jun; 27(3):405.

Pathway

- Phenylalanine metabolism
- Tyrosine metabolism

Disease

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- Acute Disease
- Alopecia Areata
- Alphavirus Infections
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Anemia
- Anoxia
- Arthralgia
- Arthritis
- Asthma
- Atherosclerosis
- Atrophy
- Autoimmune Diseases
- Biliary Atresia
- Birth Weight
- Bone Resorption
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebrovascular Accident
- Chagas Disease
- Chorioamnionitis
- Chronic Disease
- Colitis
- Community-Acquired Infections
- Coronary Disease

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- Coronary Vessel Anomalies
- Crohn Disease
- Cystic fibrosis
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Disease Susceptibility
- Dyspepsia
- Edema
- Esophagitis
- Familial Mediterranean fever
- Fatty Liver
- Fetal Membranes
- Gastritis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Glomerulosclerosis
- Hamartoma
- Helicobacter Infections
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Inflammation
- Inflammatory Bowel Diseases
- Kidney Diseases

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- Kidney Failure
- Leukemia
- Liver Diseases
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Malaria
- Meningeal Neoplasms
- Meningioma
- Metaplasia
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Myocardial Infarction
- Neoplasms
- Nephrosis
- Nephrotic Syndrome
- Obesity
- Obstetric Labor
- Pain
- Pancreatitis
- Paraplegia
- Parasitemia
- Pneumonia
- Pre-Eclampsia
- Premature Birth

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- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Purpura
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Sarcoidosis
- Sepsis
- Stomach Neoplasms
- Temporal Arteritis
- Tooth Loss
- Tuberculosis
- Vasculitis
- Vision Disorders

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