

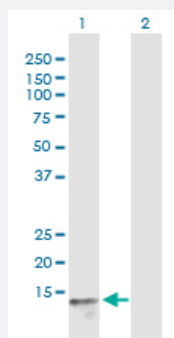
CX Grade

MIF monoclonal antibody (M01J), clone 2A10-4D3

Catalog # H00004282-M01J

Size 100 ug

Applications

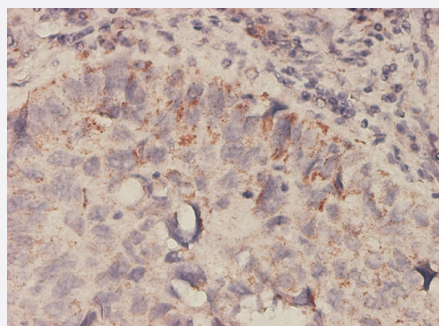


Western Blot (Transfected lysate)

Western Blot analysis of MIF expression in transfected 293T cell line by MIF monoclonal antibody (M01J), clone 2A10-4D3.

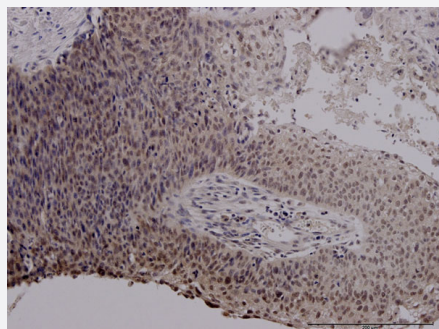
Lane 1: MIF transfected lysate (Predicted MW: 12.5 KDa).

Lane 2: Non-transfected lysate.



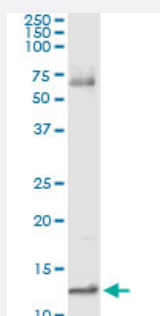
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MIF on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma tissue. [antibody concentration 1 ~ 10 ug/ml]



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MIF on formalin-fixed paraffin-embedded human lung squamous cell carcinoma. [antibody concentration 6 ug/ml]

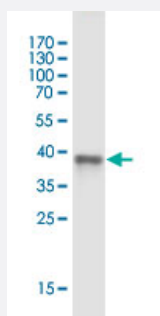
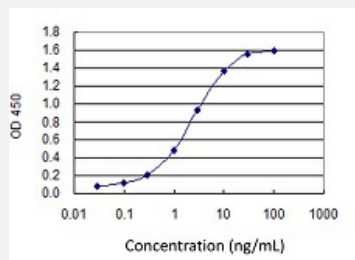


Immunoprecipitation

Immunoprecipitation of MIF transfected lysate using anti-MIF monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MIF MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MIF is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (38.39 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant MIF. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	MIF (AAH00447.1, 1 a.a. ~ 115 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPMFVNTNVPRASVPDGFSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSI GKIGGAQNRSYSKLLCGLLAERLRISPDRVYINYDMNAANVGWNNSTFA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Preparation Method	Cell Culture Production
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.39 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MIF expression in transfected 293T cell line by MIF monoclonal antibody (M01J), clone 2A10-4D3.

Lane 1: MIF transfected lysate (Predicted MW: 12.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MIF on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma tissue. [antibody concentration 1 ~ 10 ug/ml]

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MIF on formalin-fixed paraffin-embedded human lung squamous cell carcinoma. [antibody concentration 6 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of MIF transfected lysate using anti-MIF monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MIF MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MIF is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MIF

Entrez GeneID

[4282](#)

GeneBank Accession#	BC000447
Protein Accession#	AAH00447.1
Gene Name	MIF
Gene Alias	GIF, GLIF, MMIF
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

Pathway

- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [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](#)
- [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](#)
- [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](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Purpura](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Sarcoidosis](#)

- [Sepsis](#)
- [Stomach Neoplasms](#)
- [Temporal Arteritis](#)
- [Tooth Loss](#)
- [Tuberculosis](#)
- [Vasculitis](#)
- [Vision Disorders](#)