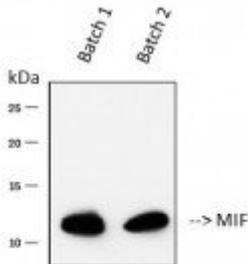


Anti-MIF antibody



Western Blot (WB) analysis of HepG2 cell lysate using MIF Antibody (STJ94126) from 2 batches.



Description

MIF is a protein encoded by the MIF gene which is approximately 12,4 kDa. MIF is secreted and localised to the cytoplasm. It is involved in the innate immune system, tyrosine metabolism, PEDF induced signalling and cell surface interactions at the vascular wall. It is a pro-inflammatory cytokine involved in the innate immune response to bacterial pathogens. It plays a role in the regulation of macrophage function in host defence 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 signalling pathways. MIF is expressed in the lung, nervous system, skin, eye and blood. Mutations in the MIF gene may result in rheumatoid arthritis. STJ94126 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of MIF protein.

Model	STJ94126
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human MIF.
Immunogen Region	Internal
Gene ID	4282
Gene Symbol	MIF
Dilution range	WB 1:500-1:2000ELISA 1:10000

Specificity	MIF Polyclonal Antibody detects endogenous levels of MIF protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Macrophage migration inhibitory factor MIF Glycosylation-inhibiting factor GIF L-dopachrome isomerase L-dopachrome tautomerase Phenylpyruvate tautomerase
Molecular Weight	12 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:7097OMIM:153620
Alternative Names	Macrophage migration inhibitory factor MIF Glycosylation-inhibiting factor GIF L-dopachrome isomerase L-dopachrome tautomerase Phenylpyruvate tautomerase
Function	Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity.
Cellular Localization	Secreted Cytoplasm. Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway. Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens.