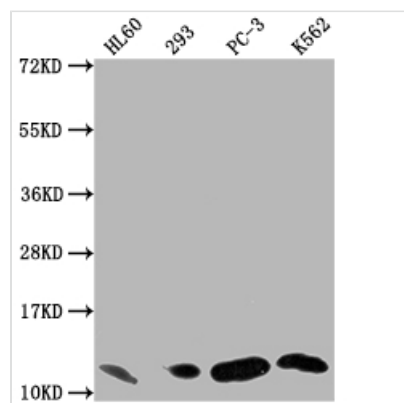




# MIF Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA146975A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P14174
<b>Immunogen</b>	A synthesized peptide derived from human MIF
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB; Recommended dilution: WB:1:500-1:5000
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	MIF
<b>Clone No.</b>	7A9

## Image



### Western Blot

Positive WB detected in: HL60 whole cell lysate, 293 whole cell lysate, PC-3 whole cell lysate, K562 whole cell lysate

All lanes: MIF antibody at 1:1500

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 13 kDa

Observed band size: 13 kDa



## Description

MIF is an inflammatory cytokine and a crucial innate immune system regulator. MIF overexpression has been associated with increased inflammation and immunopathology. Anti-MIF antibodies have been shown to effectively inhibit tumor development and tumor-associated angiogenesis, implying that MIF is implicated not only in inflammatory and immunological responses but also in tumor cell proliferation. MIF is overexpressed in a wide range of cancers. When binding to the CD74 receptor, MIF stimulates a number of cell signaling pathways, including the PI3K/AKT and MAPK signaling pathways, which increase tumor cell proliferation and survival.

The MIF antibody genes were cloned from B cells that were derived from immunized animals with A synthesized peptide derived from human MIF and then introduced into the plasma vectors, which were transfected into mammalian cell lines for up-scaling expression. The product was purified by A synthesized peptide derived from human MIF to obtain the recombinant antibody against MIF. This recombinant MIF antibody is reactive with the MIF protein from Human. It is recommended for use in the ELISA, WB.