


## Product datasheet

### Anti-MIF antibody ab34644

1 Image

#### Overview

<b>Product name</b>	Anti-MIF antibody
<b>Description</b>	Chicken polyclonal to MIF
<b>Host species</b>	Chicken
<b>Specificity</b>	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Chicken Serum.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment <b>Predicted to work with:</b> Mouse, Rat, Sheep, Cow, Dog, Pig, Cynomolgus monkey, Macaque monkey 
<b>Immunogen</b>	Synthetic peptide: PMFMNTNV PRASVPDGFL SELTQQLAQA TG conjugated to KLH, corresponding to amino acids 2-32 of Human MIF <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Supernatants or lysates of endotoxin-stimulated human peripheral blood mononuclear cells (PBMC).
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
<b>Purity</b>	IgY fraction
<b>Purification notes</b>	This product is an IgY fraction antibody purified from monospecific chicken egg yolks by a multi-step process which includes selective precipitation and salt fractionation followed by extensive

dialysis against the buffer stated above.

**Clonality** Polyclonal  
**Isotype** IgY

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab34644 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 12.3 kDa (predicted molecular weight: 14 kDa).

## Target

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**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.

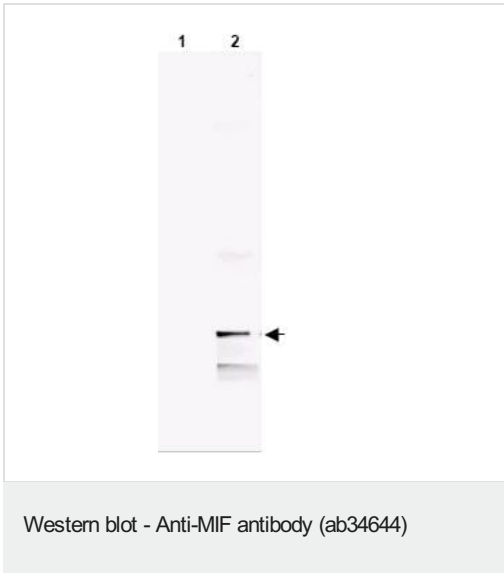
**Involvement in disease** Genetic variations in MIF are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis.

**Sequence similarities** Belongs to the MIF family.

**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.

## Images

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**All lanes :** Anti-MIF antibody (ab34644) at 1/500 dilution

**Lane 1 :** Control

**Lane 2 :** 100 ng of recombinant MIF present in a bacterial lysate

**Secondary**

**Lane 2 :** Goat anti chicken at 1/5000 dilution

**Predicted band size:** 14 kDa

**Observed band size:** 12.3 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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