


Product datasheet

Anti-MIF antibody ab34644

1 Image

Overview

Product name	Anti-MIF antibody
Description	Chicken polyclonal to MIF
Host species	Chicken
Specificity	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Chicken Serum.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Recombinant fragment Predicted to work with: Mouse, Rat, Sheep, Cow, Dog, Pig, Cynomolgus monkey, Macaque monkey 
Immunogen	Synthetic peptide: PMFMNTNV PRASVPDGFL SELTQQLAQA TG conjugated to KLH, corresponding to amino acids 2-32 of Human MIF Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Supernatants or lysates of endotoxin-stimulated human peripheral blood mononuclear cells (PBMC).
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	IgY fraction
Purification notes	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

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

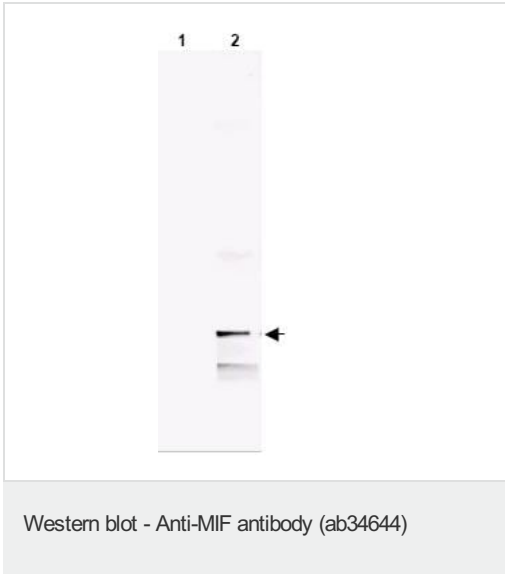
Function Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate 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



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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors