

Product datasheet

Anti-MIF antibody [12302.2] ab14575

Overview

Product name	Anti-MIF antibody [12302.2]
Description	Mouse monoclonal [12302.2] to MIF
Host species	Mouse
Specificity	Recognizes recombinant and natural human Migration Inhibitory Factor (MIF). Based on direct ELISA, shows no crossreactivity with most cytokines. The clone number has been updated from (2Ar3) to (12302.2) both clone numbers name the same antibody clone.
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	E. coli-derived recombinant full length protein (Human).
General notes	= 10ng/mg Endotoxin. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: BSA, PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Clone number	12302.2
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab14575** 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		

Application	Abreviews	Notes
ELISA		
Application notes	<p>ELISA: Use at a concentration of 4 ug/ml for direct ELISA and 2 ug/ml for capture in sandwich ELISA.</p> <p>WB: Use at a concentration of 1 - 2 µg/ml. Predicted molecular weight: 13.8 kDa.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
Target		
Function	<p>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.</p>	
Involvement in disease	<p>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.</p>	
Sequence similarities	<p>Belongs to the MIF family.</p>	
Cellular localization	<p>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.</p>	

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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