

Anti-MIF antibody [2A10-4D3] ab55445

★★★★★ [2 Abreviews](#) [15 References](#) [画像数 5](#)

製品の概要

製品名	Anti-MIF antibody [2A10-4D3]
製品の詳細	Mouse monoclonal [2A10-4D3] to MIF
由来種	Mouse
アプリケーション	適用あり: IHC-P, WB, Flow Cyt
種交差性	交差種: Human, Recombinant fragment
免疫原	Recombinant full length protein, corresponding to amino acids 1-116 of Human MIF
ポジティブ・コントロール	IHC-P: Human lung cell carcinoma tissue. Flow cyt: Jurkat cells.
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 24/1/19. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituent: 100% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	2A10-4D3
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

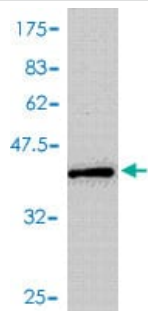
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab55445の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	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.
関連疾患	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.
配列類似性	Belongs to the MIF family.
細胞内局在	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.

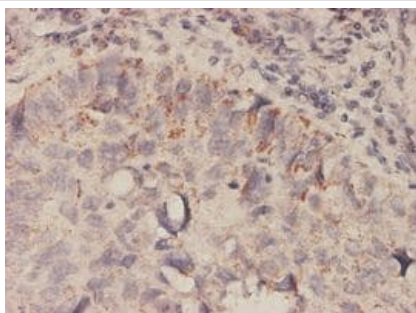
画像



Western blot - Anti-MIF antibody [2A10-4D3]
(ab55445)

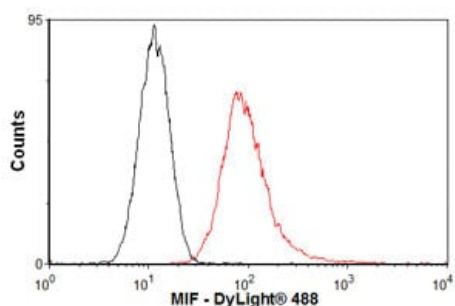
Western blot against tagged recombinant protein immunogen using ab55445 MIF antibody at 1 µg/ml. Predicted band size of immunogen is 38 kDa

This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MIF antibody [2A10-4D3]
(ab55445)

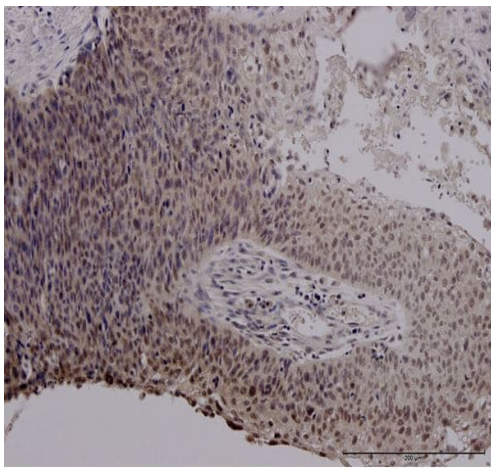
MIF antibody (ab55445) used in immunohistochemistry at 5 µg/ml on formalin fixed and paraffin embedded human lung, adenosquamous cell carcinoma tissue.



Flow Cytometry - Anti-MIF antibody [2A10-4D3]
(ab55445)

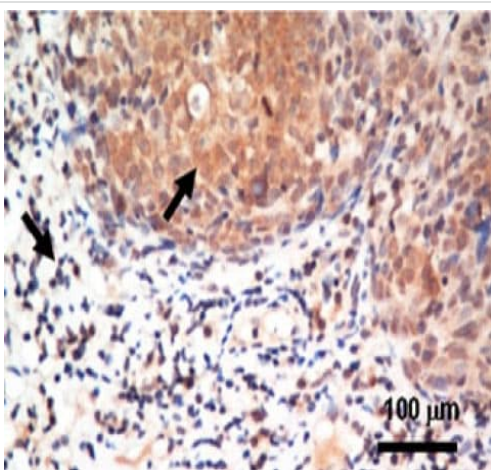
Overlay histogram showing Jurkat cells stained with ab55445 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab55445, 1 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2 µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Jurkat cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween used under the same conditions.

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MIF antibody [2A10-4D3] (ab55445)

Paraffin embedded human lung squamous cell carcinoma tissue stained for MIF using ab55445 at 6 µg/ml in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MIF antibody [2A10-4D3] (ab55445)

Image from Li J et al., J Biol Chem. 2012 Oct 12;287(42):35484-95. doi: 10.1074/jbc.M112.367532. Epub 2012 Aug 14. Fig 7.; October 12, 2012 The Journal of Biological Chemistry, 287, 35484-35495.

Immunohistochemical analysis of Human nasopharyngeal carcinoma, staining MIF with ab55445 at 1/100 dilution.

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