

Recombinant mouse MIF protein (Active) ab219128

2 图像

描述

产品名称	重组小鼠MIF蛋白(Active)
生物活性	The activity is determined by its ability to activate MAP Kinase signaling (via ERK) and is detectable starting at 10 ng/ml. This corresponds to an expected specific activity of 1×10^5 units/mg.
纯度	> 95 % SDS-PAGE. Purity determined by reducing and non-reducing SDS-PAGE.
内毒素水平	< 0.050 Eu/ μ g
表达系统	Escherichia coli
Accession	<u>P34884</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Mouse
序列	MPMFIVNTNVPRASVPEGFLSELTQQLAQATGKPAQYIAVHV VPDQLMTF SGTNDPCALCSLHSIGKIGGAQNRNYSKLLCGLLSDRLHISP DRVYINYY DMNAANVGWNGSTFA
预测分子量	13 kDa
氨基酸	1 to 115
额外的序列信息	Non-glycosylated.

技术指标

Our **Abpromise guarantee** covers the use of **ab219128** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Lyophilized

制备和贮存

稳定性和存储

Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.

Constituent: 0.16% Sodium phosphate

Lyophilised from a sterile filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

Centrifuge vial before opening. Reconstitute with sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. The product works best when used fresh after reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

常规信息

功能

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.

疾病相关

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.

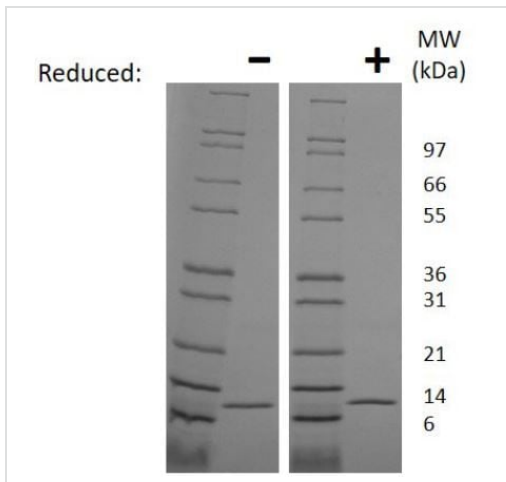
序列相似性

Belongs to the MIF family.

细胞定位

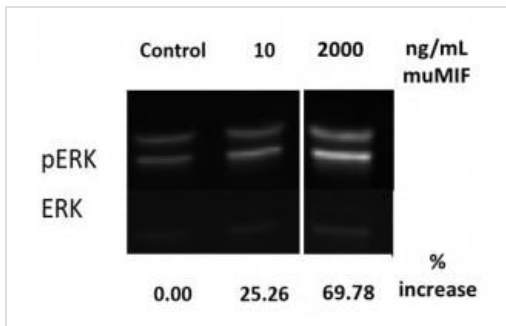
Secreted. Cytoplasm. Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway. Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens.

图片



SDS PAGE analysis of ab219128 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.

SDS-PAGE - Recombinant mouse MIF protein (Active) (ab219128)



pERK induction in RAW 264.7 cells by ab219128.

Functional Studies - Recombinant mouse MIF protein (Active) (ab219128)

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

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