Human MIF antibody

Catalog Number: AMF0608

PRODUCT INFORMATION

Catalog number
AMF0608

Clone No.
4E4

Product type
Monoclonal Antibody

UnitProt No.
P14174

NCBI Accession No.
NP_002406

Alternative Names
Macrophage migration inhibitory factor, GLIF, MMIF, MIF, EC 5.3.2.1, Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, Macrophage migration inhibitory factor, macrophage migration inhibitory factor (glycosylation-inhibiting factor),

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen
Recombinant human MIF (1-115 aa) purified from E. coli

Isotype
IgG1 kappa

Purification Note
By protein-G affinity chromatography

Application
ELISA, WB, ICC/IF

Usage
The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Human MIF antibody

Catalog Number: AMF0608

Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

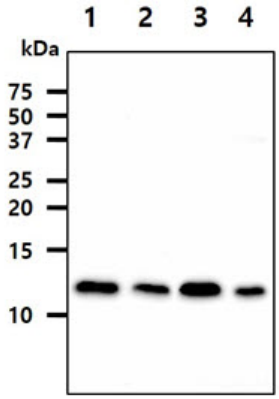
The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration.

General References

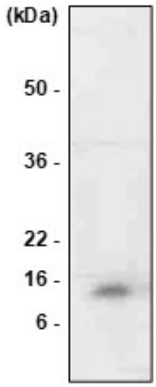
Weiser WY, et al., (1989) Proc Natl Acad Sci. 86:7522-7526.
Bernhagen J, et al., (1994) Biochemistry. 33:14144-14155.
Richard B, et al., (1996) FASEB J. 10:1607-1613.

DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MIF antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: Jurkat cell lysate
Lane 2.: THP-1 cell lysate
Lane 3.: HeLa cell lysate
Lane 4.: U937 cell lysate

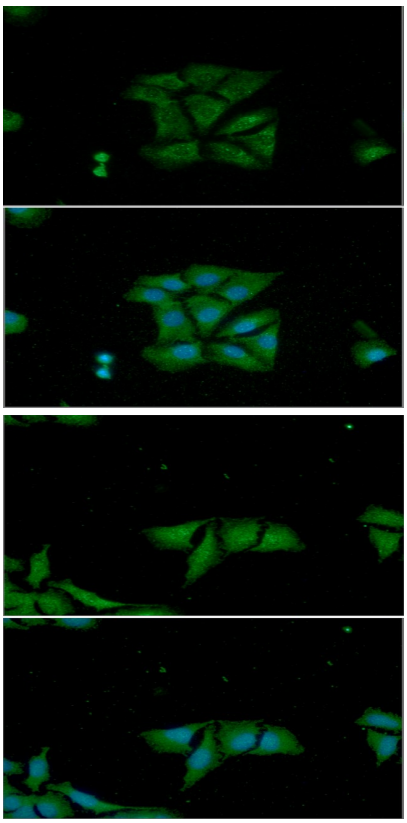


The cell lysates of HL-60 was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MIF antibody (1:1,000). Protein was visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Immunocytochemistry/Immunofluorescence (ICC/IF)

Human MIF antibody

Catalog Number: AMF0608



ICC/IF analysis of MIF in Balb/3T3 cells. The cell was stained with AMF0608 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ICC/IF analysis of MIF in HeLa cells. The cell was stained with AMF0608 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).