MIF polyclonal antibody

Catalog: BS90859 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Macrophage migration inhibitory factor, known as MIF or glycosylation-inhibiting factor, is a secreted, homotrimeric, pro-inflammatory cytokine that modulates macrophage and T cell function and is an important regulator of host response to infection. MIF is expressed at sites of inflammation, which suggests that it plays a role in regulating macrophage function in host defense. MIF is produced by the pituitary gland and is found in monocytes, macrophages, differentiating immunological cells in the eye lens and brain, and fibroblasts. Elevated levels of MIF protein are detected in the plasma of patients with severe sepsis or septic shock, a condition where MIF influences endotoxic shock by enhancing the production of other inflammatory cytokines including tumor necrosis factor α (TNFα), interleukin-1 (IL-1) and interferon-γ (IFN-γ). MIF promotes the systemic inflammatory response by counter-regulating glucocorticoid-mediated inhibition of immune-cell activation and proinflammatory cytokine production. MIF may mediate tissue destruction through the induction of proteinases.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

12 kDa

Swiss-Prot:

P14174(Human) P34884(Mouse) P30904(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IP:1:10-1:50

FC:1:50-1:100

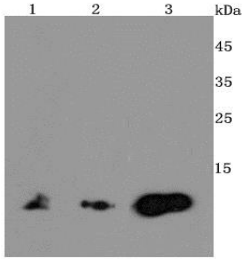
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Specificity:

MIF polyclonal antibody detects endogenous levels of MIF protein.

DATA:

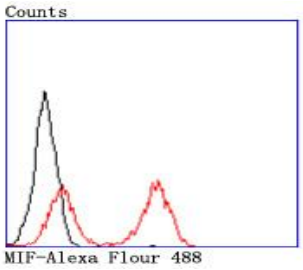


Western blot analysis of MIF on different cells lysates using anti-MIF antibody at 1/500 dilution. Positive control:

Line 1: Mouse brain

Line 2: Jurkat

Line 3: Hela



Flow cytometric analysis of THP-1 cells with MIF antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Note:

For research use only, not for use in diagnostic procedure.

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