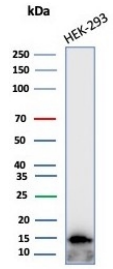
GLIF Antibody / Glycosylation inhibiting factor / MIF [clone MIF/4285] (V4858)

Catalog No.	Formulation	Size
V4858-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4858-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4858SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	MIF/4285
Purity	Protein A/G affinity
UniProt	P14174
Localization	Secreted, Cytoplasm
Applications	Western Blot : 1-2ug/ml
Limitations	This GLIF antibody is available for research use only.



Western blot testing of human HEK293 cell lysate with GLIF antibody (clone MIF/4285). Predicted molecular weight ~13 kDa.

Description

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 Alpha (TNFAlpha), interleukin-1 (IL-1) and interferon-Gamma (IFN-Gamma). 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.

Application Notes

Optimal dilution of the GLIF antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human protein was used as the immunogen for the GLIF antibody.

Storage

Aliquot the GLIF antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.