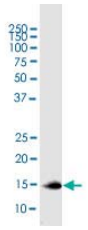
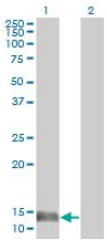
MIF Monoclonal Antibody

MIF encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways.

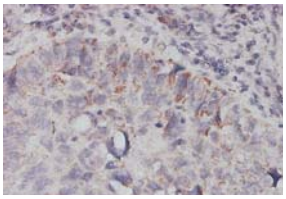
Product Name	MIF monoclonal antibody (M01), clone 2A10-4D3
Catalog No.	H00004282-M01
Product Description	Mouse monoclonal antibody raised against a full length recombinant MIF.
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Immunogen	MIF (AAH00447.1, 1 a.a. ~ 115 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Application	



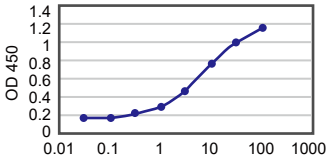
Western Blot analysis of MIF expression in HeLa.



Western Blot analysis of MIF expression in transfected 293T cell line.
Lane 1: MIF transfected lysate(12.5 KDa).
Lane 2: Non-transfected lysate.



Immunohistochemistry of monoclonal antibody to MIF on FFPE human lung, adenosquamous cell carcinoma tissue.



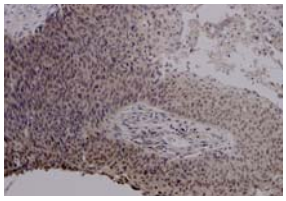
Detection limit for recombinant GST tagged MIF is approximately 0.1ng/ml as a capture antibody.

Publications

- Lina Olsson, et al. Evaluating Macrophage Migration Inhibitory Factor 1 Expression as a Prognostic Biomarker in Colon Cancer. Tumour Biol, 2020, 42(6):1010428320924524.
- Hawkins O, et al. An HLA-Presented Fragment of Macrophage Migration Inhibitory Factor Is a Therapeutic Target for Invasive Breast Cancer. Immunol, 2011.
- Goh SH, et al. eIF3m expression influences the regulation of tumorigenesis-related genes in human colon cancer. Oncogene, 2010.

Cell Culture Grade Alternative Product

Product Name	MIF monoclonal antibody (M01J), clone 2A10-4D3
Catalog No.	H00004282-M01J
Application	



Immunohistochemistry of monoclonal antibody to MIF on FFPE human lung squamous cell carcinoma tissue.

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