

Basic Information

Product Name	Anti-MIF Antibody (Clone#ABAG-13)
Gene Name	MIF
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IP, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human MIF
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	12 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:20 Flow Cytometry (FCM): 1:20

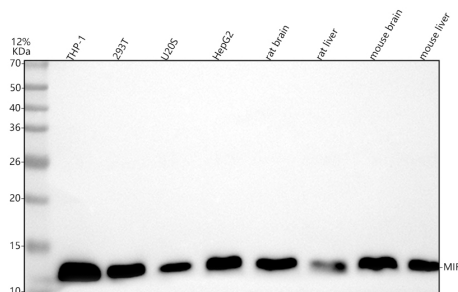
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Macrophage migration inhibitory factor, MIF, is a cytokine released by T-lymphocytes, macrophages, and the pituitary gland that serves to integrate peripheral and central inflammatory responses. MIF gene has 3 exons separated by introns of only 189 and 95 bp, and covers less than 1kb. Localization of the human gene for macrophage migration inhibitory factor(MIF) to chromosome 22q11.2. MIF plays a critical role in inflammatory diseases and atherogenesis.

Selected Validation Data



Western blot analysis of anti-MIF antibody (BM5097). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human THP-1 whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: human U2OS whole cell lysates,

Lane 4: human HepG2 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: rat liver tissue lysates,

Lane 7: mouse brain tissue lysates,

Lane 8: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-MIF antigen affinity purified monoclonal antibody (BM5097) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL

Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MIF at approximately 12 kDa. The expected band size for MIF is at 12 kDa.