

For Research Use Only

# MIF Polyclonal antibody

Catalog Number: 30957-1-AP



## Basic Information

<b>Catalog Number:</b> 30957-1-AP	<b>GenBank Accession Number:</b> NM_010798.2	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 17319	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> macrophage migration inhibitory factor	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 13KD	
	<b>Observed MW:</b> 13 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse, rat	<b>WB :</b> J774A.1 cells, NIH/3T3 cells, Neuro-2a cells, RAW 264.7 cells, C6 cells, mouse brain tissue, mouse kidney tissue
	<b>IF :</b> Neuro-2a cells, NIH/3T3 cells

## Background Information

MIF is a pleiotropic cytokine that contributes to the pathogenesis of many autoimmune diseases through its upstream immunoregulatory function and its polymorphic genetic locus. MIF is a highly conserved protein of 12.5 kDa, with evolutionarily ancient homologues in plants, protozoans, nematodes, and invertebrates.

## Storage

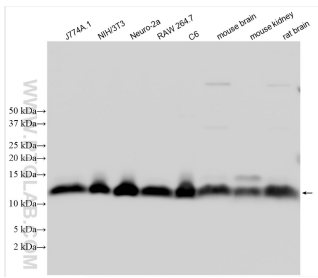
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

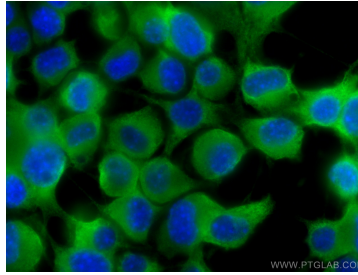
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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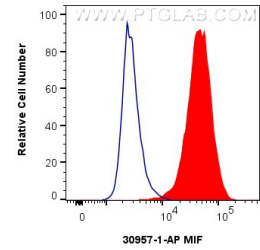
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30957-1-AP (MIF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using MIF antibody (30957-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> NIH/3T3 cells were intracellularly stained with 0.4 ug Anti-Mouse MIF (30957-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).