

For Research Use Only

MIF Recombinant antibody

Catalog Number:83199-2-RR



Basic Information

Catalog Number: 83199-2-RR	GenBank Accession Number: NM_010798.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 17319	CloneNo.: 230529F2
Source: Rabbit	UNIPROT ID: P34884	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: macrophage migration inhibitory factor	
	Calculated MW: 13KD	
	Observed MW: 13 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : A549 cells, Jurkat cells, THP-1 cells, RAW 264.7 cells, Neuro-2a cells, mouse brain tissue, rat brain tissue

Background Information

Macrophage migration inhibitory factor (MIF) is a homo-trimeric protein that acts as a pleiotropic pro-inflammatory cytokine. It is involved in various functions, including leukocyte recruitment, inflammation, immune responses, cell proliferation, tumorigenesis, and counter-regulation of glucocorticoids (GC). 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.

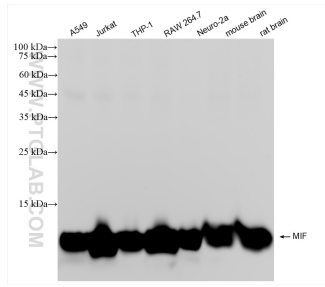
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

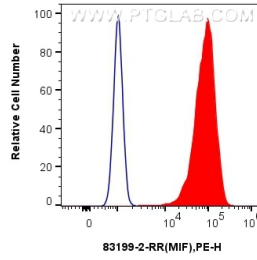
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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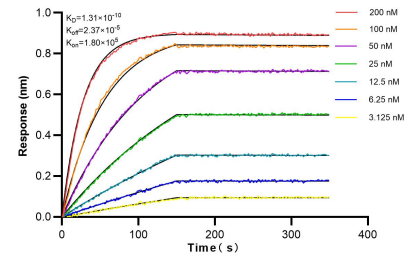
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83199-2-RR (MIF antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



1×10^6 Neuro-2a cells were intracellularly stained with 0.25 μ g MIF Recombinant antibody (83199-2-RR, Clone:230529F2) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biacore BLI kinetic assays of 83199-2-RR against Mouse MIF were performed. The affinity constant is 0.131 nM.