

For Research Use Only

Mouse MIF Recombinant monoclonal antibody, PBS Only

Catalog Number: 83199-2-PBS



Basic Information

Catalog Number: 83199-2-PBS	GenBank Accession Number: NM_010798.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 17319	CloneNo.: 230529F2
Isotype: IgG	UNIPROT ID: P34884	
Immunogen Catalog Number: EG0574	Full Name: macrophage migration inhibitory factor	
	Calculated MW: 13KD	
	Observed MW: 13 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

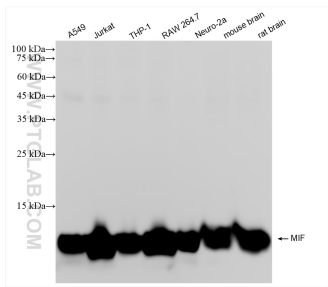
T: 4006900926

E: Proteintech-CN@ptglab.com

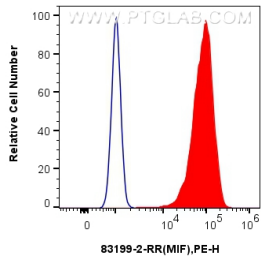
W: ptgcn.com

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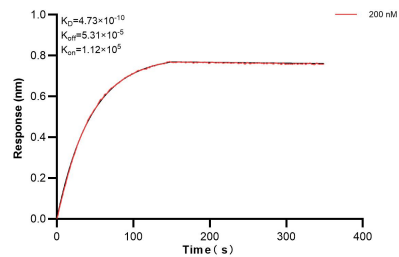
Selected Validation Data



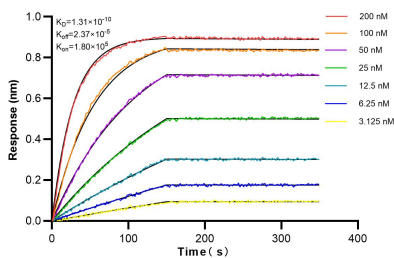
Various lysates were subjected to SDS PAGE followed by western blot with 83199-2-RR (MIF antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83199-2-PBS in a different storage buffer formulation.



1x10⁶ Neuro-2a cells were intracellularly stained with 0.25 ug MIF Recombinant antibody (83199-2-RR, Clone:230529F2) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 83199-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assay of 83199-2-PBS against Mouse MIF was performed. The affinity constant is 0.473 nM.



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