

For Research Use Only

MIF Recombinant antibody

Catalog Number: 83199-2-RR



Basic Information

Catalog Number:

83199-2-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010798.2

GeneID (NCBI):

17319

UNIPROT ID:

P34884

Full Name:

macrophage migration inhibitory factor

Calculated MW:

13KD

Observed MW:

13 kDa

Purification Method:

Protein A purification

CloneNo.:

230529F2

Recommended Dilutions:

WB 1:5000-1:50000

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

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

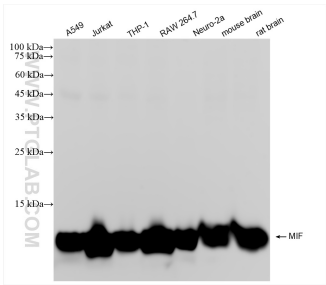
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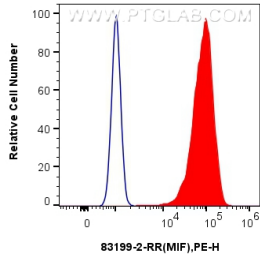
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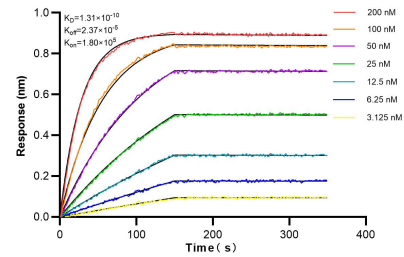
Selected Validation Data



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.



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 (PF00011-C).



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