

For Research Use Only

# Mouse IL-10 Recombinant antibody, PBS Only (Detector)

Catalog Number: 82191-7-PBS



## Basic Information

<b>Catalog Number:</b> 82191-7-PBS	<b>GenBank Accession Number:</b> NM_010548	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16153	<b>CloneNo.:</b> 240430D8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18893	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 10	
	<b>Calculated MW:</b> 21 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
mouse

## Product Information

82191-7-PBS targets IL-10 as part of a matched antibody pair:

MP00507-4: 82191-5-PBS capture and 82191-7-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

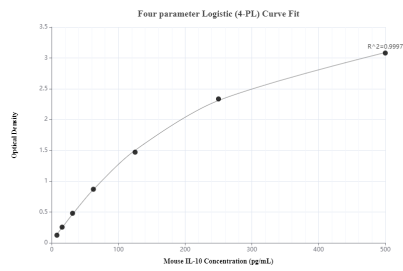
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

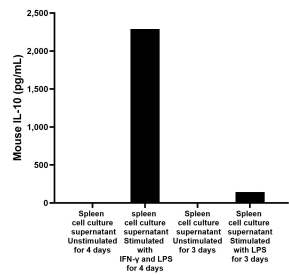
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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Selected Validation Data



Sandwich ELISA standard curve of MP00507-4, IL-10 Recombinant Matched Antibody Pair - PBS only. 82191-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0026.82191-7-PBS was HRP conjugated as the detection antibody. Range: 7.8-500 pg/mL



Mouse splenocytes (1 x 10<sup>6</sup> cells/mL) were cultured for 4 days in RPMI supplemented with 10% fetal calf serum, 100 ng/mL of recombinant mouse IFN-γ and 1 μg/mL of LPS. The mean IL-10 concentration was determined to be 7.59 pg/mL in unstimulated spleen cell culture supernatant, 2,461.0 pg/mL in IFN-γ and LPS stimulated spleen cell culture supernatant. Mouse splenocytes (1 x 10<sup>6</sup> cells/mL) were cultured for 3 days in RPMI supplemented

