

For Research Use Only

# Mouse IL-4 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 85179-9-PBS



## Basic Information

<b>Catalog Number:</b> 85179-9-PBS	<b>GenBank Accession Number:</b> BC027514	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16189	<b>CloneNo.:</b> 251776C8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P07750	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 4	
<b>Immunogen Catalog Number:</b> EG3750		

## Applications

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

**Species Specificity:**  
mouse

## Product Information

85179-9-PBS targets IL-4 as part of a matched antibody pair:

MP01896-4: 85179-10-PBS capture and 85179-9-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

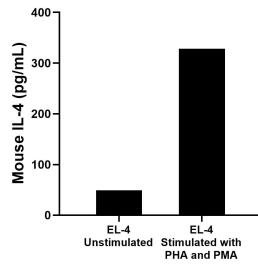
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

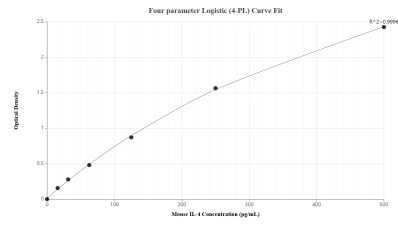
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



EL-4 cells were cultured unstimulated or stimulated with 10  $\mu\text{g}/\text{mL}$  PHA and 10  $\text{ng}/\text{mL}$  PMA for 2 days. The mean IL-4 concentration was determined to be 49.1  $\text{pg}/\text{mL}$  in unstimulated EL-4 supernatant, 328.2  $\text{pg}/\text{mL}$  in stimulated EL-4 supernatant.



Sandwich ELISA standard curve of MP01896-4, Mouse IL-4 Recombinant Matched Antibody Pair - PBS only. 85179-10-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg3750. 85179-9-PBS was HRP conjugated as the detection antibody. Range: 15.6-500  $\text{pg}/\text{mL}$ .