

For Research Use Only

# Mouse PD-1/CD279 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83516-9-PBS

## Basic Information

<b>Catalog Number:</b> 83516-9-PBS	<b>GenBank Accession Number:</b> NM_008798.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 18566	<b>CloneNo.:</b> 240389D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02242	
<b>Isotype:</b> IgG	<b>Full Name:</b> programmed cell death 1	
	<b>Calculated MW:</b> 32 kDa	

## Applications

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

**Species Specificity:**  
mouse

## Background Information

### 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

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

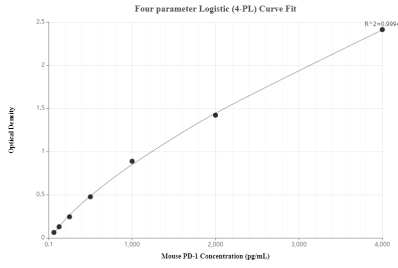
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

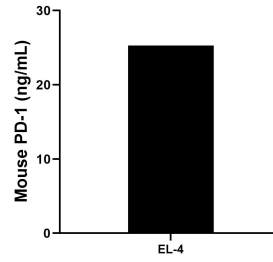
W: [ptgcn.com](http://ptgcn.com)

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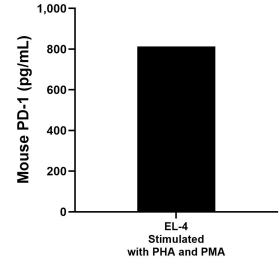
## Selected Validation Data



Sandwich ELISA standard curve of MP00496-4, Mouse PD-1 Monoclonal Matched Antibody Pair - PBS only. 83516-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0918. 83516-9-PBS was HRP conjugated as the detection antibody. Range: 62.5-4000 pg/mL



The mean mouse PD-1 concentration was determined to be 14.08 ng/mL in EL-4 cell extract based on a 3.0 mg/mL extract load.



EL-4 was cultured in RPMI 1640 supplemented with 10% fetal bovine serum, 50  $\mu$ M  $\beta$ -mercaptoethanol, 2 mM L-glutamine, and 100  $\mu$ g/mL of streptomycin sulfate. The cells were stimulated with 10  $\mu$ g/mL of PHA and 10 ng/mL of PMA. An aliquot of the cell culture supernatant was removed, assayed for mouse PD-1 and measured 812.8 pg/mL