

For Research Use Only

# Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98166-1-PBS



## Basic Information

<b>Catalog Number:</b> 98166-1-PBS	<b>GenBank Accession Number:</b> NM_021893.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg, 2 mg/ml	<b>GeneID (NCBI):</b> 60533	<b>CloneNo.:</b> 240993E1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9EP73	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD274 antigen	
	<b>Calculated MW:</b> 33 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## Background Information

Programmed cell death ligand 1 (PD-L1, CD274, or B7-H1), is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with their CD28 family receptors, the B7s are key regulators of the adaptive immune response. PD-L1 is suggested as a negative regulator of T and B cell, and plays important role in mediating tolerance of lymphocytes to self-antigens. It is also involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PD-1-independent manner.

## 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:

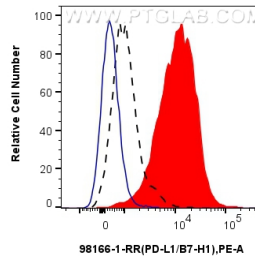
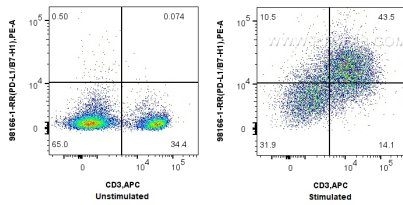
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W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody (98166-1-RR, Clone: 240993E1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD3. Cells were not fixed. This data was developed using the same antibody clone with 98166-1-PBS in a different storage buffer formulation.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse PD-L1/B7-H1 Rabbit Recombinant Antibody (98166-1-RR, Clone:240993E1) (red) or 0.25 ug Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse PD-L1/B7-H1 Rabbit Recombinant Antibody (98166-1-RR, Clone: 240993E1) (black, dashed) and PE-Conjugated Goat Anti-Rabbit