

For Research Use Only

# Anti-Mouse PD-L1/CD274 (10F.9G2) Rat IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65685-2-PBS



## Basic Information

Catalog Number:	65685-2-PBS	GenBank Accession Number:	BC066841	Purification Method:	Protein A purification
Concentration:	1mg, 3 mg/ml	GeneID (NCBI):	60533	CloneNo.:	10F.9G2
Source:	Rat	UNIPROT ID:	Q9EP73		
Isotype:	IgG2a	Full Name:	CD274 antigen		

## 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, pH7.3

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

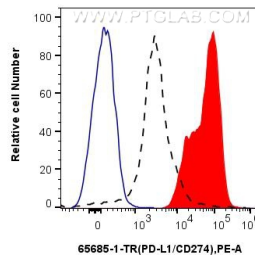
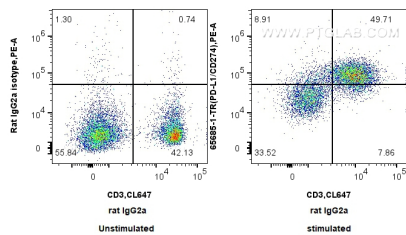
T: 4006900926

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

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

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## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse PD-L1/CD274 (10F.9G2) Rat IgG2a RecAb (65685-1-TR, Clone: 10F.9G2) and PE anti-rat IgG2a Antibody. Cells were co-stained with APC Anti-Mouse CD3. Cells were not fixed. This data was developed using the same antibody clone with 65685-2-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/CD274 (10F.9G2) Rat IgG2a RecAb (65685-1-TR, Clone: 10F.9G2) (red) or Rat IgG2a Isotype Control (2A3) (65209-1-Ig, Clone: 2A3) (blue), and PE anti-rat IgG2a Antibody. 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse PD-L1/CD274 (10F.9G2) Rat IgG2a RecAb (65685-1-TR, Clone: 10F.9G2) (black, dashed) and PE anti-rat IgG2a Antibody. Cells