

For Research Use Only

# Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2)



Catalog Number: 65073-1-Ig

## Basic Information

|                                      |  |  |
|--------------------------------------|--|--|
| <b>Catalog Number:</b><br>65073-1-Ig | <b>GenBank Accession Number:</b><br>BC066841 | <b>Purification Method:</b><br>Affinity purification |
| <b>Size:</b><br>500ug, 0.5 mg/ml     | <b>GeneID (NCBI):</b><br>60533               | <b>CloneNo.:</b><br>10F.9G2                          |
| <b>Source:</b><br>Rat                | <b>UNIPROT ID:</b><br>Q9EP73                 |  |
| <b>Isotype:</b><br>IgG2b, kappa      | <b>Full Name:</b><br>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

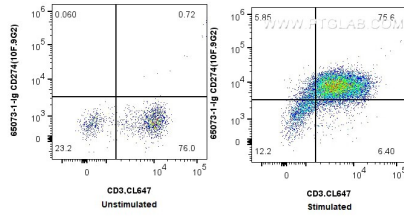
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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  
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## Selected Validation Data



1x10<sup>6</sup> unstimulated or anti-CD3/CD28 stimulated (2 days) mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD274 (PD-L1, B7-H1) (65073-1-Ig, Clone:10F.9G2) and FITC-anti Rat IgG2b at dilution 1:100 and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.