

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse PD-L1/CD274 (10F.9G2)

Catalog Number:CL647-65073



## Basic Information

Catalog Number:

CL647-65073

Size:

100ug , 500 µg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC066841

GeneID (NCBI):

60533

UNIPROT ID:

Q9EP73

Full Name:

CD274 antigen

Purification Method:

Affinity purification

CloneNo.:

10F.9G2

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

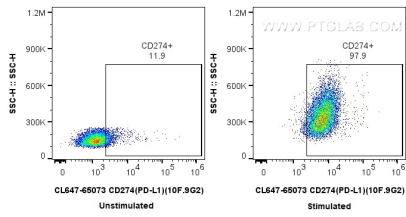
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> unstimulated or anti-CD3/CD28 stimulated mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 647 Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) (CL647-65073, Clone: 10F.9G2). Cells were not fixed.