

For Research Use Only

# APC Anti-Mouse PD-L1/CD274 (10F.9G2)

Catalog Number: APC-65073

4 Publications



## Basic Information

Catalog Number:

APC-65073

Size:

100ug, 0.2 mg/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

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Cited Applications:

IHC, IF, FC

Species Specificity:

mouse

Cited Species:

human, mouse

Positive Controls:

FC : Anti-CD3/CD28 treated mouse splenocytes,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yichao Lu	39811977	Adv Mater	
Yizeng Fan	39809284	Cell Metab	IHC,IF
Shihao Wang	38602707	Adv Mater	FC

## 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, pH7.3

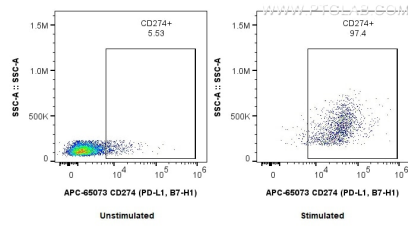
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> unstimulated or anti-CD3/CD28 stimulated (2 days) BALB/C mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) (APC-65073, Clone:10F.9G2). Cells were not fixed.