

For Research Use Only

# FcZero-rAb® Biotin Anti-Human PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98062



## Basic Information

Catalog Number:

Biotin-FcA98062

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1114

GenBank Accession Number:

BC074984

GeneID (NCBI):

29126

UNIPROT ID:

Q9NZQ7

Full Name:

CD274 molecule

Calculated MW:

290 aa, 33 kDa

Purification Method:

Protein A purification

CloneNo.:

240721H8

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : PHA treated human PBMCs,

## 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, pH7.3

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

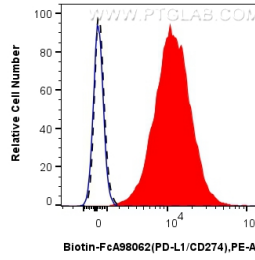
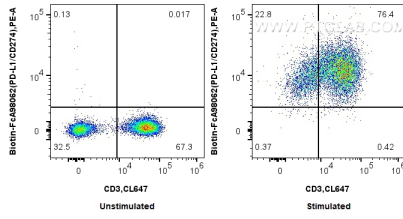
T: 4006900926

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

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## Selected Validation Data



1x10<sup>6</sup> unstimulated or PHA-stimulated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human PD-L1/CD274 Rabbit RecAb (Biotin-FcA98062, Clone: 240721H8) and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with CoraLite® Plus 647 Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (CL647-65569, Clone: OKT3). Cells were not fixed.

1x10<sup>6</sup> PHA-treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human PD-L1/CD274 Rabbit RecAb (Biotin-FcA98062, Clone: 240721H8)(red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). 1x10<sup>6</sup> unstimulated PBMCs were surface stained with 0.25 ug Biotin Anti-Human PD-L1/CD274 Rabbit RecAb (Biotin-FcA98062, Clone:

