

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98062



## Basic Information

Catalog Number:

CL647-FcA98062

Size:

100 tests, 5 µl/test

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: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## 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 cells, and plays an 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 IFN $\gamma$ , 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 and 0.5% BSA, pH7.3

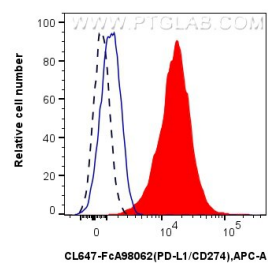
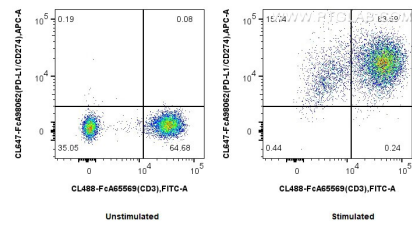
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10<sup>6</sup> untreated or PHA-treated human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Human CD3 and 5 ul CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit RecAb (CL647-FcA98062, Clone: 240721H8). Cells were not fixed.

1x10<sup>6</sup> PHA treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit RecAb (CL647-FcA98062, Clone: 240721H8) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit RecAb (CL647-FcA98062, Clone: 240721H8) (black,

