

For Research Use Only

# FcZero-rAb® PerCP-Cyanine5.5 Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number:CPY5-FcA98166-4



## Basic Information

Catalog Number:  
CPY5-FcA98166-4

Size:  
100ug, 200 ug/ml

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
NM\_021893.3

GeneID (NCBI):  
60533

UNIPROT ID:  
Q9EP73

Full Name:  
CD274 antigen

Calculated MW:  
33 kDa

Purification Method:  
Protein A purification

CloneNo.:  
242265E6

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

Excitation/Emission maxima wavelengths:  
482 nm / 690nm

## Applications

Tested Applications:  
FC

Species Specificity:  
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 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 IL-10 and IFN gamma, in an IL-2-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

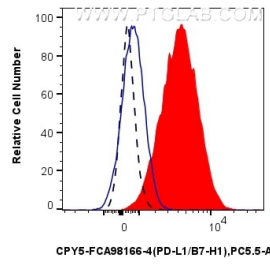
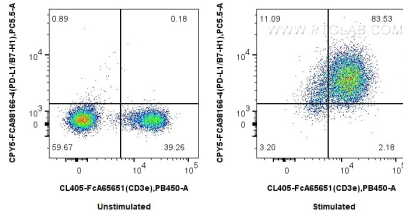
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> untreated (left) or anti-CD3/CD28 treated (right) mouse splenocytes were surface stained with FcZero-rAb<sup>®</sup> CoraLite<sup>®</sup> Plus 405 Anti-Mouse CD3e (145-2C11) and 0.25 ug PerCP-Cyanine5.5 Anti-Mouse PD-L1/B7-H1 Rabbit RecAb (CPY5-FcA98166-4, Clone: 242265E6). Cells were incubated with MonoZero<sup>™</sup> Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse PD-L1/B7-H1 Rabbit RecAb (CPY5-FcA98166-4, Clone: 242265E6) (red) or FcZero-rAb<sup>®</sup> PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse PD-L1/B7-H1 Rabbit RecAb (CPY5-FcA98166-4, Clone:

