

For Research Use Only

# FcZero-rAb® CoraLite® Plus 594 Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number:CL594-FcA98166



## Basic Information

Catalog Number:

CL594-FcA98166

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0986

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.:

240993E1

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## 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, pH7.3

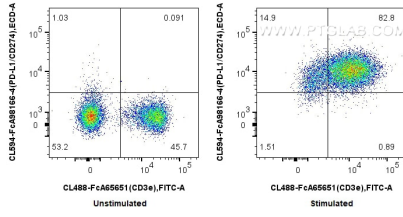
For technical support and original validation data for this product please contact:

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

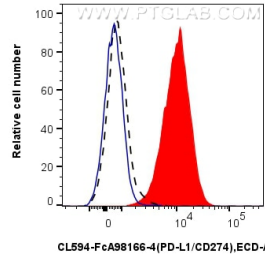
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11) and 0.25 ug CoraLite®594 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL594-FcA98166, Clone: 240993E1). Cells were not fixed.



1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL594-FcA98166, Clone: 240993E1) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL594-FcA98166, Clone: 240993E1) (black, dashed). Cells were not

