

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number: CL488-98166



## Basic Information

Catalog Number:

CL488-98166

Size:

100ug, 500 µg/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:

493 nm / 522 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 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 and 0.5% BSA, pH7.3

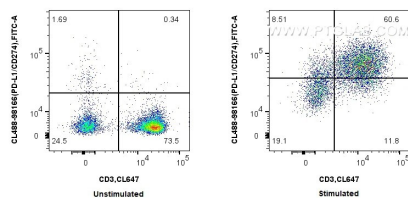
For technical support and original validation data for this product please contact:

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

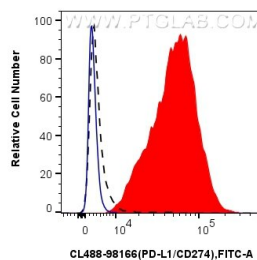
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3 and 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL488-98166, Clone:240993E1). Cells were not fixed.



1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL488-98166, Clone: 240993E1) (red) or CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL488-98166, Clone: 240993E1) (black,

