

For Research Use Only

FcZero-rAb® PE-Cyanine7 Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98166-4



Basic Information

Catalog Number:

PY7-FcA98166-4

Concentration:

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: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 778 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 and 0.5% BSA, pH7.3

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

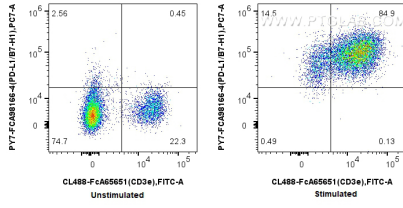
T: 4006900926

E: Proteintech-CN@ptglab.com

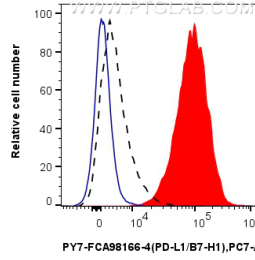
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were stained with CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11) and 0.1 ug PE-Cyanine7 Anti-Mouse PD-L1/B7-H1 Rabbit RecAb (PY7-FCA98166-4, Clone: 242265E6). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse PD-L1/B7-H1 Rabbit RecAb (PY7-FCA98166-4, Clone: 242265E6) (red) or 0.1 ug Rabbit IgG Isotype Control RecAb (PY7-FCA98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse PD-L1/B7-H1 Rabbit RecAb (PY7-FCA98166-4, Clone: 242265E6) (black, dashed). Cells were incubated with

