For Research Use Only

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

Catalog Number:CL647-98062

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-98062

Concentration:
100tests, 5 ul/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 ul per 10^6 cells in 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 IFNG, in an IL2-dependent and a PD-1-independent manner.

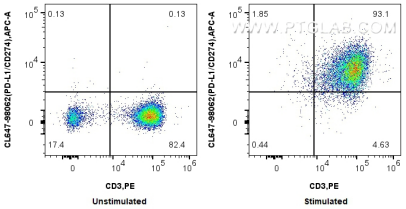
Storage

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

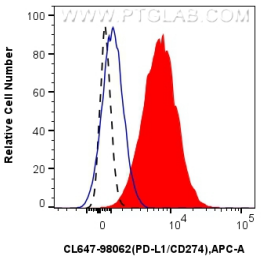
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 untreated or PHA-treated human PBMCs were surface stained with PE Anti-Human CD3 and 5 ul CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit RecAb (CL647-98062, Clone: 240721H8). Cells were not fixed.



1x10^6 PHA treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit RecAb (CL647-98062, Clone: 240721H8) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human PD-L1/CD274 Rabbit RecAb (CL647-98062, Clone:240721H8) (black, dashed). Cells were not fixed.