For Research Use Only

Anti-Human PD-L1/CD274 Rabbit Recombinant Antibody, PBS Only

Catalog Number:98062-1-PBS

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Basic Information

Catalog Number:
98062-1-PBS

Concentration:
1mg, 3 mg/ml

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

Applications

Tested Applications:
FC

Species Specificity:
human

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.

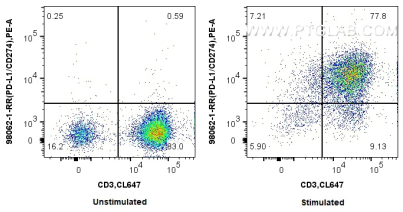
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

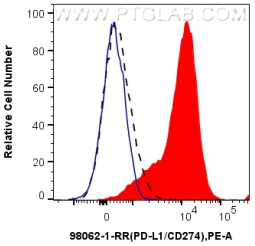
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

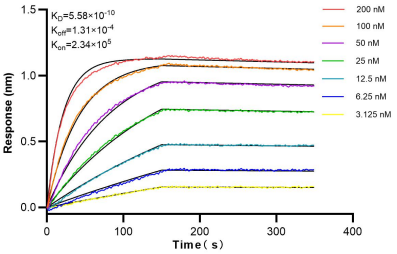
Selected Validation Data



1x10^6 unstimulated or PHA stimulated human PBMCs were surface stained with 0.25 ug Anti-Human PD-L1/CD274 Rabbit Recombinant Antibody (98062-1-RR, Clone:240721H8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 647 Anti-Human CD3. Cells were not fixed. This data was developed using the same antibody clone with 98062-1-PBS in a different storage buffer formulation.



1x10^6 unstimulated (black) or PHA stimulated human PBMCs (red) were stained with 0.25 ug Anti-Human PD-L1/CD274 Rabbit Recombinant Antibody (98062-1-RR, Clone:240721H8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), 1x10^6 PHA treated human PBMCs were stained with Isotype Control(blue). Cells were not fixed. This data was developed using the same antibody clone with 98062-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98062-1-RR against Human PD-L1/CD274 were performed. The affinity constant is 0.558 nM.