For Research Use Only

CoraLite® Plus 555 Anti-Human PD-L1/CD274 (29E.2A3)

Catalog Number:CL555-65081

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

Basic Information

Catalog Number:
CL555-65081

Size:
100tests , 5 ul/test

Source:
Mouse

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC069381

GeneID (NCBI):
29126

UNIPROT ID:
Q9NZQ7

Full Name:
CD274 molecule

Purification Method:
Affinity purification

CloneNo.:
29E.2A3

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 µl suspension

Excitation/Emission maxima wavelengths:
554 nm / 570 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 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.

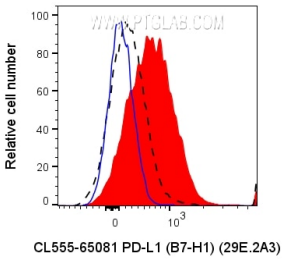
Storage

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
W: ptglab.com

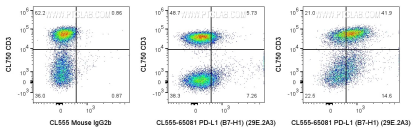
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



CL555-65081 PD-L1 (B7-H1) (29E.2A3)

1x10^6 PHA treated (3 days) human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human PD-L1 (B7-H1) (CL555-65081, Clone:29E.2A3) (red) or CoraLite® Plus 555 Mouse IgG2b Isotype Control (blue). 1x10^6 untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human PD-L1 (B7-H1) (CL555-65081, Clone:29E.2A3) (black dashed). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes



1x10^6 PHA treated (3 days) human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul CoraLite® Plus 555 Anti-Human PD-L1 (B7-H1) (CL555-65081, Clone:29E.2A3) (right) or CoraLite® Plus 555 Mouse IgG2b Isotype Control (left). 1x10^6 untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human PD-L1 (B7-H1) (CL555-65081, Clone:29E.2A3) (center). Cells were treated with FC Receptor Block prior to staining.