

For Research Use Only

PE Anti-Human PD-L1 (B7-H1) (29E.2A3)



Catalog Number: PE-65081

Basic Information

Catalog Number: PE-65081	GenBank Accession Number: BC069381	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 29126	CloneNo.: 29E.2A3
Source: Mouse	UNIPROT ID: Q9NZQ7	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2b, kappa	Full Name: CD274 molecule	

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 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.

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

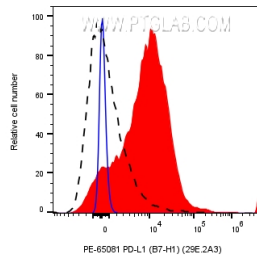
T: 4006900926

E: Proteintech-CN@ptglab.com

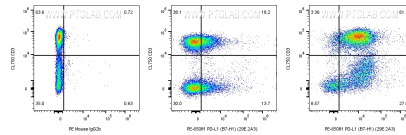
W: ptgcn.com

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Selected Validation Data



1x10⁶ PHA treated (3 days) human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul PE Anti-Human PD-L1 (B7-H1) (PE-65081, Clone:29E.2A3) (red) or PE Mouse IgG2b Isotype Control (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul PE Anti-Human PD-L1 (B7-H1) (PE-65081, Clone:29E.2A3) (black dashed). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Lymphocytes were gated.



1x10⁶ PHA treated (3 days) human PBMCs were surface stained with 5 ul PE Anti-Human PD-L1 (B7-H1) (PE-65081, Clone:29E.2A3) (right) or PE Mouse IgG2b Isotype Control (left). 1x10⁶ untreated human PBMCs were surface stained with 5 ul PE Anti-Human PD-L1 (B7-H1) (PE-65081, Clone:29E.2A3) (center). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Lymphocytes were gated.