

For Research Use Only

APC Anti-Human PD-L1/CD274 (29E.2A3)

Catalog Number: APC-65081

11 Publications



Basic Information

Catalog Number:

APC-65081

Size:

100 tests, 5 µl/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 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Cited Applications:

IHC, IF, FC

Species Specificity:

human

Cited Species:

human

Positive Controls:

FC : human peripheral blood lymphocytes,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xisha Chen	35347072	J Immunother Cancer	
Qing Zhang	35765095	Stem Cell Res Ther	FC
Ying Zhan	36038663	Oncogene	FC

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 0.1% gelatin, pH7.2

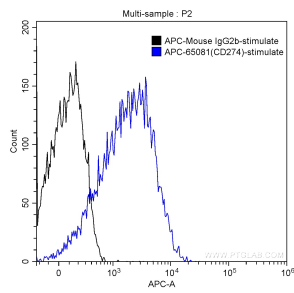
For technical support and original validation data for this product please contact:

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

Selected Validation Data



1X10⁶ PHA-stimulated (5 ug/ml, 3 days) human peripheral blood lymphocytes were surface stained with 5 ul APC Anti-Human PD-L1 (B7-H1) (APC-65081, Clone: 29E.2A3) (blue) or isotype control antibody (black). Cells were not fixed.