

For Research Use Only

APC Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2)



Catalog Number: APC-65073

1 Publications

Basic Information

Catalog Number:

APC-65073

Size:

100ug, 0.2 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC066841

GeneID (NCBI):

60533

UNIPROT ID:

Q9EP73

Full Name:

CD274 antigen

Purification Method:

Affinity purification

CloneNo.:

10F.9G2

Excitation/Emission maxima

wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

Mouse

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
Qing Zhang	38128708	Cell Signal	FC

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

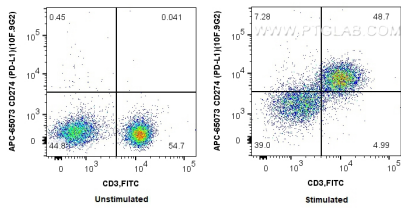
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E: Proteintech-CN@ptglab.com

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Selected Validation Data



1X10⁶ unstimulated or anti-CD3/CD28 treated (2 days) BALB/C mouse splenocytes were surface stained with FITC Plus Anti-Mouse CD3 (17A2) and 0.2 ug APC Anti-Mouse CD274 (PD-L1, B7-H1) (APC-65073, Clone: 10F.9G2). Cells were not fixed.