

For Research Use Only

Anti-Mouse PD-L1/CD274 (10F.9G2)

Catalog Number: 65073-1-Ig **1 Publications**



Basic Information

Catalog Number:

65073-1-Ig

Size:

500ug, 0.5 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

Recommended Dilutions:

FC: 0.5 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Cited Applications:

IHC

Species Specificity:

mouse

Cited Species:

human

Positive Controls:

FC : Anti-CD3/CD28 stimulated mouse splenocytes,

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
XinJian Wang	40012053	J Transl Med	IHC

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

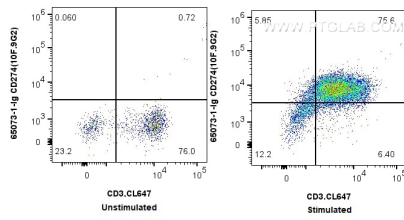
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



1x10⁶ unstimulated or anti-CD3/CD28 stimulated (2 days) mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD274 (PD-L1, B7-H1) (65073-1-Ig, Clone:10F.9G2) and FITC-anti Rat IgG2b at dilution 1:100 and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.