

For Research Use Only

CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 (10F.9G2)

Catalog Number: CL488-65073



Basic Information

Catalog Number:
CL488-65073

Size:
100ug , 500 µg/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:
493 nm / 522 nm

Applications

Tested 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.

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.

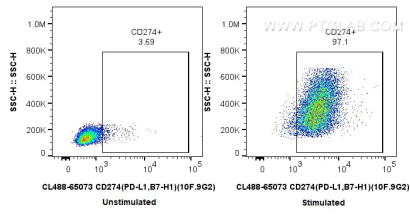
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
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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 untreated or anti-CD3/CD28 treated (2 days) mouse splenocytes were surface stained with 0.5 ug Coralite® Plus 488 Anti-Mouse CD274 (PD-L1, B7-H1) (CL488-65073, Clone:10F.9G2). Cells were not fixed.