

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 (10F.9G2) Mouse IgG2a Recombinant Antibody

Catalog Number: CL488-65685



## Basic Information

Catalog Number:

CL488-65685

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC066841

GeneID (NCBI):

60533

Full Name:

CD274 antigen

Purification Method:

Protein A purification

CloneNo.:

10F.9G2

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : anti-CD3/CD28 treated 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.

## 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, pH7.3

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

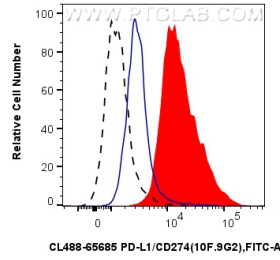
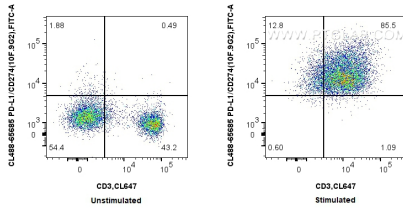
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## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3 and 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 (10F.9G2) Mouse IgG2a RecAb (CL488-65685, Clone: 10F.9G2). Cells were not fixed.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 (10F.9G2) Mouse IgG2a RecAb (CL488-65685, Clone: 10F.9G2) (red) or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 (10F.9G2) Mouse IgG2a RecAb (CL488-65685, Clone: 10F.9G2)