

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

Size:
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 10⁶ 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

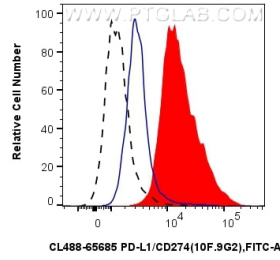
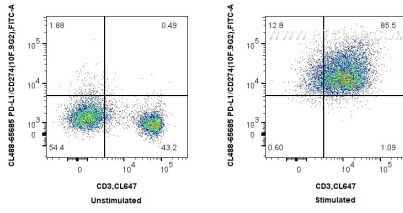
For technical support and original validation data for this product please contact:

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

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 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.

1x10⁶ 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). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse PD-L1/CD274 (10F.9G2) Mouse IgG2a RecAb

