

For Research Use Only

CoraLite® Plus 405 Anti-Mouse PD-L1/CD274 Rabbit Recombinant Antibody

Catalog Number: CL405-98166



Basic Information

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| Catalog Number: CL405-98166 | GenBank Accession Number: NM_021893.3 | Purification Method: Protein A purification |
| Concentration: 100ug, 500 µg/ml | GeneID (NCBI): 60533 | CloneNo.: 240993E1 |
| Source: Rabbit | UNIPROT ID: Q9EP73 | Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension |
| Isotype: IgG | Full Name: CD274 antigen | Excitation/Emission maxima wavelengths: 399 nm / 422 nm |
| Immunogen Catalog Number: EG0986 | Calculated MW: 33 kDa | |

Applications

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| Tested Applications: FC | Positive Controls: FC : Anti-CD3/CD28 treated mouse splenocytes, |
| 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 and 0.5% BSA, pH7.3

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

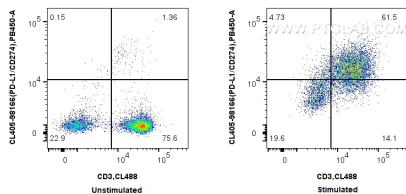
T: 4006900926

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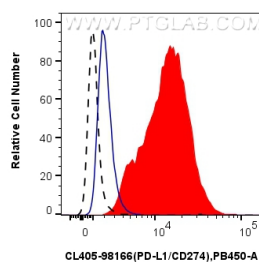
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Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3 and 0.25 ug CoraLite® Plus 405 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL405-98166, Clone: 240993E1). Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL405-98166, Clone: 240993E1) (red) or CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse PD-L1/CD274 Rabbit RecAb (CL405-98166, Clone: 240993E1) (black, dashed). Cells were not fixed.