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# PE Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2)



Catalog Number: PE-65073 **2 Publications**

## Basic Information

<b>Catalog Number:</b> PE-65073	<b>GenBank Accession Number:</b> BC066841	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 60533	<b>CloneNo.:</b> 10F.9G2
<b>Source:</b> Rat	<b>Full Name:</b> CD274 antigen	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG2b		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Mouse

**Cited Species:**  
human, 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lu Lu	37261088	Oncoimmunology	FC
Xing Chang	37146833	Biochem Pharmacol	FC

## Storage

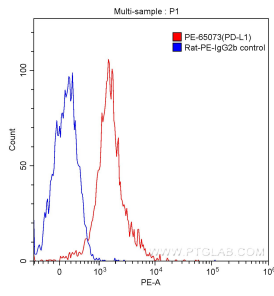
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were stained with 0.20ug CD274 (PD-L1, B7-H1) antibody (PE-65073, red) and control antibody (blue). Cells were not fixed.