



# Rabbit Anti-Human CD274 Polyclonal antibody (DPABH-24930)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	PD-L1/CD274 fusion protein, sequence: KDLVYVVEYGSNMTIECKFPVEKQLDLAALIVWEMEDKNIIQFVHGEECLKVQHSSYRQR ARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYGGADYKRITVKVNAPYNKINQRILVV DPVTSEHELTCQAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFNVTSTLRINTTTN EIFYCTFRRLDPEENHTAELVIPELPLAHPNERTHL (25-241 aa encoded by BC074984)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP, IHC, IF, FC, ELISA
<b>Positive Control</b>	mouse heart tissue, human heart tissue, mouse skeletal muscle tissue, K-562 cells, A549 cells, HeLa cells, HepG2 cells
<b>Format</b>	Liquid
<b>Size</b>	50 µl, 100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquoting is unnecessary for -20°C storage.

# BACKGROUND

## Introduction

PD-L1 (programmed cell death ligand 1, also known as 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 a negative regulator of T and B cell, and play important role in mediating tolerance of lymphocytes to self-antigens. It also involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PD1-independent manner. PD-L1 is a 290 aa transmembrane protein with a calculated molecular weight of 33 kDa, it is predicted to be 27-30 kDa after signal peptide cleavage, as has been shown by several researches (PMID: 25609200; 17076679). The apparent molecular weight has also been reported as 45-70 kDa, major glycosylated form of 45-50 kDa and multiple post-translational modifications form of 65-70 kDa (PMID: 18760278; 16493058).

## Keywords

CD274; CD274 molecule; B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1; programmed cell death 1 ligand 1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1;

# GENE INFORMATION

## Entrez Gene ID

[29126](#)

## UniProt ID

[Q0GN75](#)