

**Purified Anti-Mouse CD273 (PD-L2, B7-DC) (TY25) Antibody**  
**Catalog # ATB10333****Specification****Purified Anti-Mouse CD273 (PD-L2, B7-DC) (TY25) Antibody - Product Information**

Application	WB, IHC-F, IF, FC, IP
Isotype	Rat IgG2a, kappa
Concentration	0.5 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% NaN <sub>3</sub> , pH7.2
Host	Rat

**Purified Anti-Mouse CD273 (PD-L2, B7-DC) (TY25) Antibody - Additional Information**

Gene ID	58205
Gene Name	Pdcd1lg2
Alternative Name(s)	
B7DC, PDL-2, PDL2	

**Format**

Purified

**Preparation**

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

**Application Notes**

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

**Storage Conditions**

2-8°C

**Purified Anti-Mouse CD273 (PD-L2, B7-DC) (TY25) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

**Purified Anti-Mouse CD273 (PD-L2, B7-DC) (TY25) Antibody - Images****Purified Anti-Mouse CD273 (PD-L2, B7-DC) (TY25) Antibody - Background**

The TY25 antibody is specific for mouse CD273, more commonly known as PD-L2 or B7-DC, a 25 kDa protein which acts as a ligand for the T cell co-regulatory receptor PD-1 (CD279). This interaction modulates T cell antigen receptor (TCR) signaling and therefore T cell activation. PD-L2 binding to PD-1 expressed on CD4-CD8- thymocytes participates in the processes of clonal selection, elimination of autoreactive lymphocytes, and development of tolerance. PD-L2 may also bind PD-1 following the receptor's inducible expression on activated, mature T cells, where it has been proposed to limit T cell activation. PD-L2 is one of a group of "B7" ligands whose interactions with the CD28 receptor family, also including CTLA-4 (CD152), provide a balance of co-stimulatory /co-inhibitory signaling important in T cell activation, tolerance, and autoimmunity. The TY25 antibody may be used as a marker for PD-L2 expression in mouse, primarily on monocytes, macrophages and subsets of dendritic cells. The antibody is also widely used for analysis of receptor-ligand interaction and function(s) in vitro and in vivo.