

In Vivo Ready™ Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) Antibody
Catalog # ATB10152**Specification**

In Vivo Ready™ Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) Antibody - Product Information

Application	FC, FA
Isotype	Rat IgG2b, kappa
Concentration	2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH ₂ PO ₄ , 150 mM NaCl, pH7.2
Host	Rat

In Vivo Ready™ Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) Antibody - Additional Information

Gene ID	60533
Gene Name	Cd274
Alternative Name(s)	
B7H1, PDL-1, PDL1	

Format

In Vivo Ready™

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.

Endotoxin Level

Less than or equal to 0.01 EU/ug, as determined by the LaL assay

Storage Conditions

2-8°C

In Vivo Ready™ Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) 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](#)

In Vivo Ready™ Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) Antibody - Images**In Vivo Ready™ Anti-Mouse CD274 (PD-L1, B7-H1) (10F.9G2) Antibody - Background**

The 10F.9G2 antibody is specific for mouse CD274, more commonly known as PD-L1 or B7-H1, 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-L1 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-L1 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-L1 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 10F.9G2 antibody may be used as a marker for PD-L1 expression on T and B cells, NK cells and on dendritic cells. It is also widely used for analysis of receptor-ligand interaction and function(s) in vitro and in vivo.