Datasheet for ABIN7278330

anti-PD-L1 antibody (PE)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	PD-L1
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This PD-L1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Clone:	10F-9G2
Isotype:	IgG2b kappa
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	PD-L1
Alternative Name:	CD274 (PD-L1, B7-H1) (PD-L1 Products)
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

Target Details

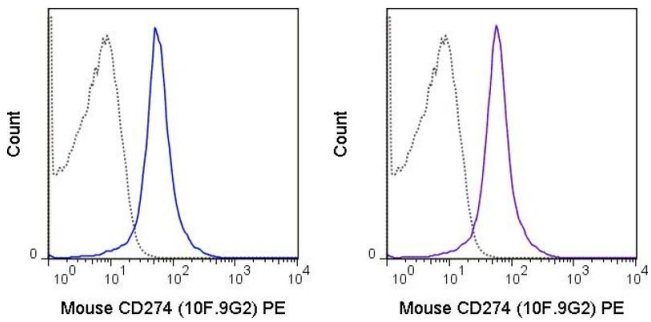
	modulates T cell antigen receptor (TCR) signaling and therefore T cell activation. PD-L1 binding to PD-1 expressed on CD4- CD8- thymocytes participates in the processes of clonal selection, elimination of autoreac- tive lymphocytes, and development of tolerance. PD-L1 may also bind PD-1 following the 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 acti- vation, 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.
Gene ID:	60533
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indi- cated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.
Comment:	0.2 mg/mL
Restrictions:	For Research Use only

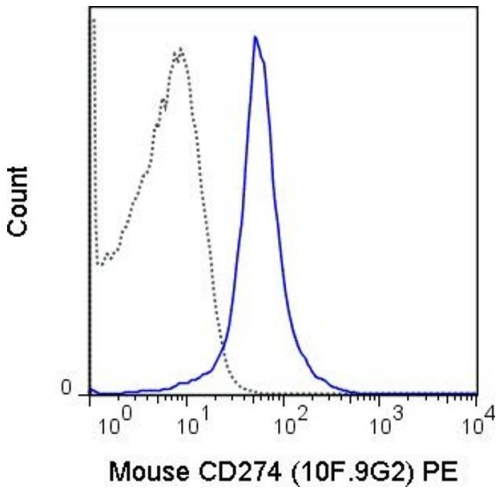
Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C protected from light
Expiry Date:	12 months



Flow Cytometry

Image 1. C57Bl/6 splenocytes were stained with 0.25 µg PE Anti-Mouse CD274 (10F.9G2) manufactured by antibodies-online (left panel) or BioLegend (right panel).



Flow Cytometry

Image 2. C57Bl/6 splenocytes were stained with 0.25 µg PE Anti-Mouse CD274 (ABIN6961536) (solid line) or 0.25 µg PE Rat IgG2b isotype control (dashed line).