

Datasheet for ABIN7013977
anti-PD-L1 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	PD-L1
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PD-L1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Functional Studies (Func), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Anti-Hu CD274 Purified Low Endotoxin
Immunogen:	Full length human CD274
Clone:	29E-2A3
Isotype:	IgG2b kappa
Specificity:	The mouse monoclonal antibody 29E.2A3 recognizes an extracellular epitope of CD274 / PD-L1 (also known as B7-H1), a 40 kDa type I transmembrane protein expressed by dendritic cells, activated T cells, activated monocytes, and in various tissues, above all in heart and skeletal muscle, placenta and lung, and in many cancer cells, including T cell lymphomas, melanomas, and glioblastomas.
Purification:	Purified by protein-A affinity chromatography.
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Target Details

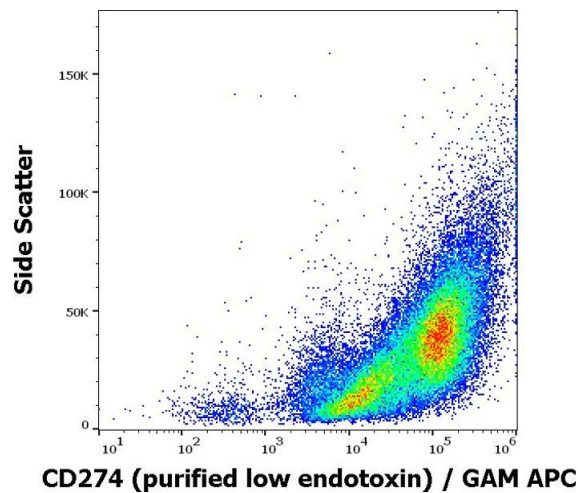
Target:	PD-L1
Alternative Name:	CD274 (PD-L1 Products)
Background:	CD274 Molecule,CD274 / PD-L1 (programmed death ligand-1), also known as B7-H1, is a member of the B7 family of regulatory proteins. It can act as both costimulatory and coinhibitory molecule for T cells. Interaction with its receptor CD279 (PD1) appears to be important in the maintenance of peripheral tolerance and in prevention of tumor rejection. Even pathogens (e.g. Schistosoma) may exploit CD274 to evade an immune response. Besides CD279, existence of other receptor(s) for CD274 is likely.,B7H1, PDL1, PDCD1L1, PDCD1LG1, PDCD1 ligand 1, B7-H1
Gene ID:	29126
UniProt:	Q9NZQ7
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	Functional application: Blocking. Immunohistochemistry (frozen sections): Acetone fixation. Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

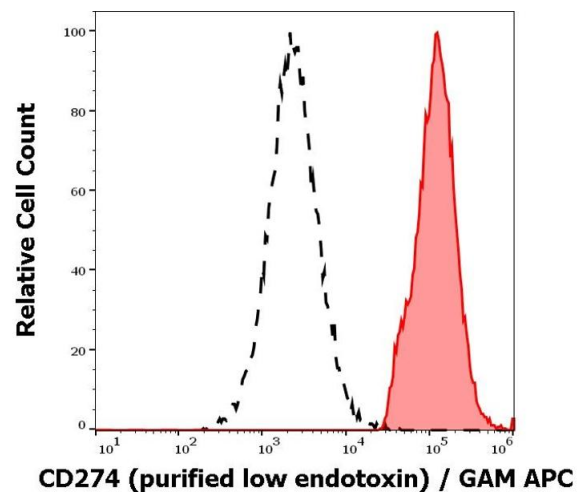
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human PHA stimulated peripheral blood mononuclear cell suspension stained using anti-human CD274 (29E.2A3) purified antibody (low endotoxin, concentration in sample 4 µg/mL) GAM APC.



Flow Cytometry

Image 2. Separation of cells stained using anti-human CD274 (29E.2A3) purified antibody (low endotoxin, concentration in sample 4 µg/mL, GAM APC, red-filled) from cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining) of PHA stimulated peripheral blood mononuclear cell suspension.