

Datasheet for ABIN5526896  
**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), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Purpose:	Anti-Hu CD274 Purified
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.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.

## Product Details

Purity: > 95 % (by SDS-PAGE)

## 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: Immunohistochemistry (frozen sections): Acetone fixation.  
Flow cytometry: Recommended dilution: 1-4 µg/mL

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

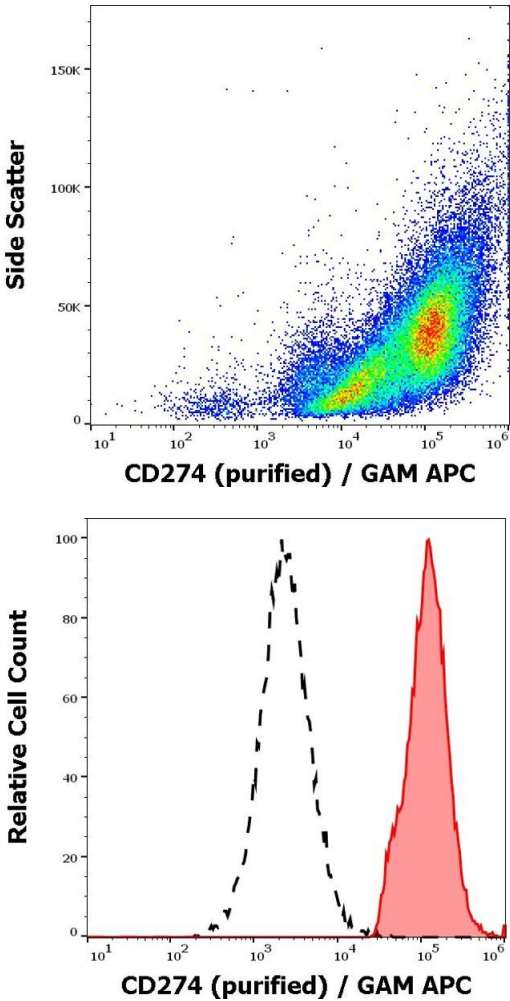
Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

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: 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 (concentration in sample 4 µg/mL) GAM APC.

### Flow Cytometry

**Image 2.** Separation of cells stained using anti-human CD274 (29E.2A3) purified antibody (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.