

Datasheet for ABIN5665753
anti-PD-L1 antibody (PE)

3 Images

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Overview

Quantity:	100 tests
Target:	PD-L1
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PD-L1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

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 antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

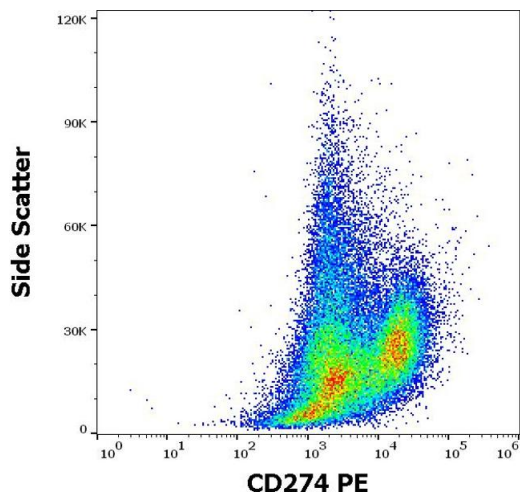
Target:	PD-L1
Alternative Name:	CD274 / PD-L1 (PD-L1 Products)
Background:	CD274 Molecule,CD274 / PD-L1 (programmed death ligand-1), also known as B7-H1, is a member of the B7 family of regulatory proteins. It can act as both costimulatory and coinhibitory molecule for T cells. Interaction with its receptor 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:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

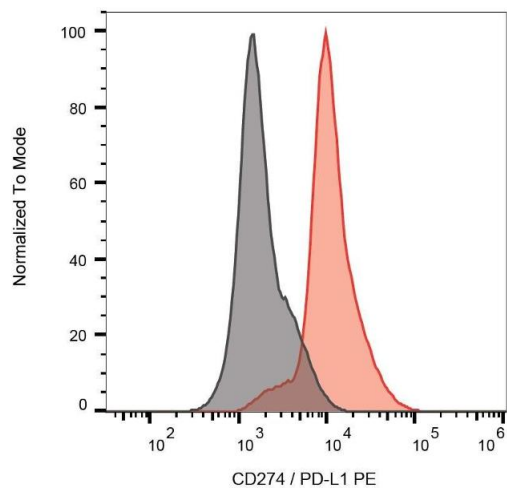
Handling

Buffer:	Stabilizing 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. Protect from prolonged exposure to light. Do not freeze.



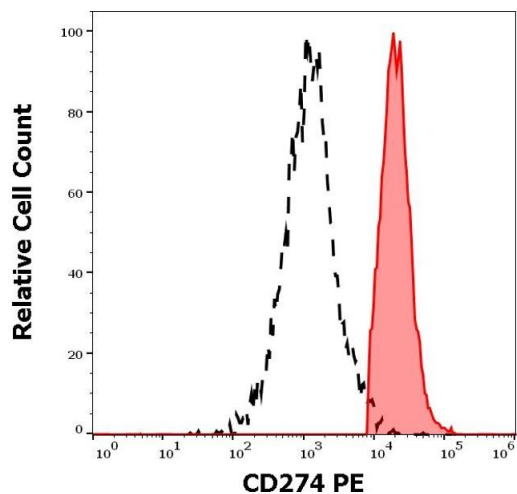
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human PHA stimulated peripheral blood mononuclear cell suspension stained using anti-human CD274 (29E.2A3) PE antibody (10 µL reagent per milion cells in 100 µL of cell suspension).



Flow Cytometry

Image 2. Surface staining of CD274 on PHA-stimulated PBMC with anti-CD274 (29E.2A3) PE.



Flow Cytometry

Image 3. Separation of human CD274 positive cells (red-filled) from cellular debris (black-dashed) in flow cytometry analysis (surface staining) of human PHA stimulated peripheral blood mononuclear cell suspension stained using anti-human CD274 (29E.2A3) PE antibody (10 µL reagent per milion cells in 100 µL of cell suspension).