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30-2600: Anti-Human CD274 Low Endotoxin Antibody (Clone : 29E.2A3)

Clonality :	Monoclonal
Clone Name :	29E.2A3
Application :	IHC(F), FACS , Functional Assay
Reactivity :	Human
Gene :	CD274
Gene ID :	29126
Format :	Low Endotoxin
Alternative Name :	B7H1, PDL1, PDCD1L1, PDCD1LG1, PDCD1 ligand 1, B7-H1,CD274 molecule
Isotype :	Mouse IgG2b kappa
Immunogen Information :	Full length human CD274

Description

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 ligand 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.
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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Storage condition :	Store at 2-8°C. Do not freeze.

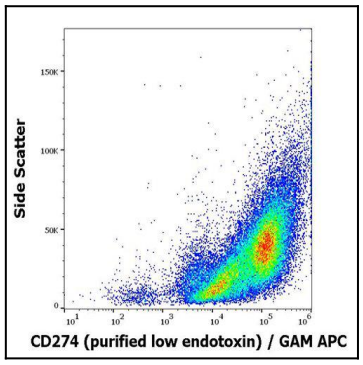

Figure 1 : Flow cytometry surface staining pattern of human PHA stimulated peripheral blood mononuclear cell suspension stained using anti-humam CD274 (29E.2A3) purified antibody (low endotoxin, concentration in sample 4 µg/ml) GAM APC.

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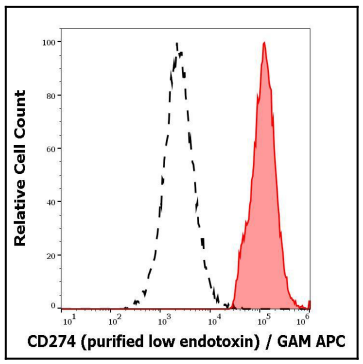

Figure 2 : Separation of cells stained using anti-humam CD274 (29E.2A3) purified antibody (low endotoxin, concentration in sample 4 µg/ml, GAM APC, red-filled) from cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining) of PHA stimulated peripheral blood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