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30-1092-B: Anti-CD273 / PD-L2 Monoclonal Antibody (Clone:24F.10C12) Biotin Conjugated

Clonality :	Monoclonal
Clone Name :	24F.10C12
Application :	IHC,FACS
Reactivity :	Human
Conjugate :	Biotin
Gene :	PDCD1LG2
Gene ID :	80380
Uniprot ID :	Q9BQ51
Format :	Purified
Alternative Name :	PDCD1LG2,B7DC,CD273,PDCD1L2,PDL2
Isotype :	Mouse IgG2a kappa
Immunogen Information :	human CD273 cDNA

Description

Specificity: The mouse monoclonal antibody 24F.10C12 recognizes an extracellular epitope of CD273 / PD-L2 (also known as B7-DC), a 25 kDa type I transmembrane protein expressed by dendritic cells, activated monocytes and T cells, heart, first trimester placenta, lung and liver, as well as in Hodgkin´s lymphoma cells and primary mediastinal B cell lymphoma (PMBL).

Description: CD273 / PD-L2 (programmed death ligand-1), also known as B7-DC, is a member of the B7 family of regulatory proteins. It costimulates the proliferation of T cells, and mediates IFN gamma production. Ligation of CD273 on dendritic cells enhances dendritic cell activation and T cell responses. When interacting with CD279, it can act as a coinhibitor of the T cell function. CD273 expression is a useful marker to distinguish primary mediastinal B cell lymphoma from other diffuse large B cell lymphomas.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Content :	Stprage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml

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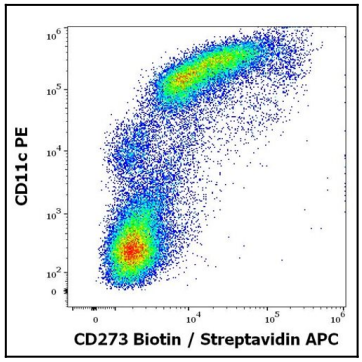


Figure 1: Flow cytometry multicolor surface staining pattern of human stimulated (GM-CSF + IL-4) leukocytes stained using anti-human CD11c (BU15) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) and anti-human CD273 (24F.10C12) biotin antibody (concentration in sample 1.67 µg/ml, Streptavidin APC).

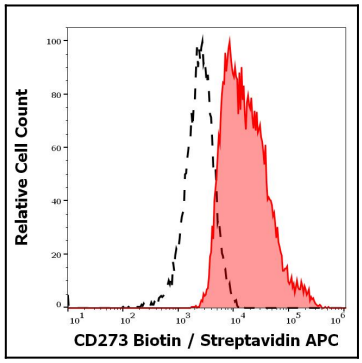


Figure 2: Separation of CD11c positive monocytes stained using anti-human CD273 (24F.10C12) biotin antibody (concentration in sample 1.67 µg/ml, Streptavidin APC, red-filled) from CD11c positive monocytes unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface staining) of human stimulated (GM-CSF + IL-4) blood cells.

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