

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

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|--------------------------------|----------------------------------|
| 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

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| 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 : | Storage 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

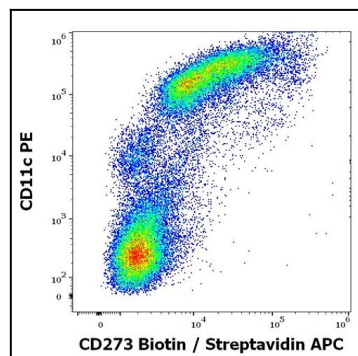


Figure 1: Flow cytometry multicolor surface staining pattern of human stimulated (GM-CSF + IL-4) leukocytes stained using anti-human CD11c (BU15) PE antibody (20 μ l reagent / 100 μ l of peripheral whole blood) and anti-human CD273 (24F.10C12) biotin antibody (concentration in sample 1.67 μ g/ml, Streptavidin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

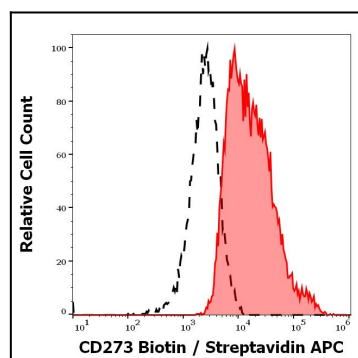


Figure 2: Separation of CD11c positive monocytes stained using anti-human CD273 (24F.10C12) biotin antibody (concentration in sample 1.67 μ g/ml, Streptavidin APC, red-filled) from CD11c positive monocytes unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface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