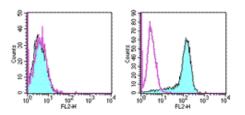


Anti-Mouse CD273 (B7-DC) PE

Catalog Number: 12-5986 Also Known As:B7DC, PD-L2, PDL-2, PDL2 RUO: For Research Use Only



Product Information

Contents: Anti-Mouse CD273 (B7-DC) PE REF Catalog Number: 12-5986

Clone: TY25 Concentration: 0.2 mg/mL Host/Isotype: Rat IgG2a, kappa Staining of non-transfected (left) and mouse B7-DC-transfected (right) cells with 0.25 ug of Rat IgG2a kappa Isotype Control PE (cat. 12-4321) (open histogram) or 0.06 ug of Anti-Mouse CD273 (B7-DC) PE (filled histogram). Total viable cells were used for analysis.

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

- **Temperature Limitation:** Store at 2-8°C. Do not freeze.
 - Light sensitive material.
- LOT Batch Code: Refer to Vial
 - Use By: Refer to Vial
- A Caution, contains Azide

Description

The TY25 monoclonal antibody reacts with mouse B7-DC/PD-L2. B7-DC, a member of the B7 family, has a predicted molecular weight of ~25 kDa and belongs to the Ig superfamily. The mouse B7-DC has a short cytoplasmic tail (4aa). B7-DC is primarily expressed by sub-populations of dendritic cells, monocytes and macrophages. Although B7-DC has structural and sequence similarities to the B7 family, it does not bind CD28/CTLA-4, but binds PD-1. The interactions between PD-1 and B7-DC/PD-L2 have been reported to be involved in costimulation or suppression of T cell proliferation depending on state of cellular activation. TY25 is a useful tool to study the exact function of B7-DC/PD-L2 in APC/T cell interaction and to characterize the expression pattern of this molecule in mouse.

Applications Reported

The TY25 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The TY25 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions and B7-DC transfected cells. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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