SONY

Product Data Sheet

PE anti-human CD273 (B7-DC, PD-L2)

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Catalog # / Size:	2248030 / 100 tests 2248025 / 25 tests
Clone:	24F.10C12
Isotype:	Mouse IgG2a, κ
Immunogen:	Human PD-L2 cDNA
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific
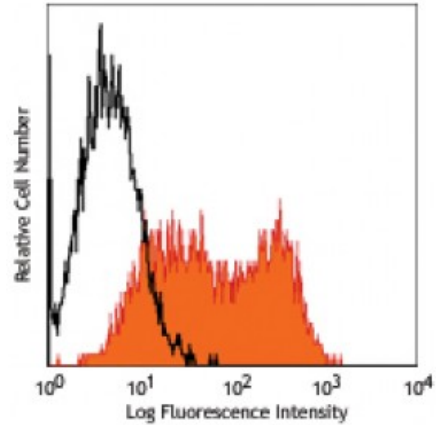
Monocyte-derived dendritic cells stained with 24F.10C12 PE

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application References:	1. Brown JA, *et al.* 2003. *J. Immunol.* 170:1257 PubMed 2. Rodig N, *et al.* 2003. *Eur. J. Immunol.* 33:3117

Description:	CD273, known as B7-DC, is also called programmed death ligand 2 (PDL2). This ligand is a 25 kD type I transmembrane protein and a member of B7 family within the immunoglobulin receptor superfamily and is expressed on a subset of dendritic cells, liver and a small subset of macrophages as well as a few transformed cell lines. CD273 has been reported to be stimulatory on dendritic cells when cross-linked and to inhibit T cell activation upon engaging the PD-1 receptor. CD273 has also been reported to bind to an alternative receptor and to mediate T cell activation through such non-PD1 mediated interactions.
Antigen References:	1. Shin T, *et al.* 2003. *J. Exp. Med.* 198:31. 2. Liu X, *et al.* 2003. *J. Exp. Med.* 197:1721. 3. Carreno BM, *et al.* 2002. *Annu. Rev. Immunol.* 20:29.