Mouse Anti-Human CD273 (PD-L2), Biotin Conjugated mAb

Catalog No: #CM034

Package Size: #CM034-1 25ug #CM034-2 100ug

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Description

Product Name	Mouse Anti-Human CD273 (PD-L2), Biotin Conjugated mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	10D6
Isotype	Mouse IgG1, κ
Applications	FC
Species Reactivity	Hu
Specificity	This antibody recognizes human PD-L2 in FACS.
Immunogen Description	L929/PD-L2 transfected cells
Other Names	CD273, PD-L2, B7DC
Formulation	Lyophilized from a 0.2μm filtered solution in phosphate buffered saline (PBS) and reconstitute with sterile PBS .
Storage	Store protected from light at 2-8°C. Do not freeze. The expiration date is indicated on the vial label.

Application Details

Preparation:This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with L929/PD-L2 transfected cells). The monoclonal antibody was purified from tissue culture supernatant or ascites by protein G affinity chromatography.

Product Notices:This reagent has been pre-diluted for use at the recommended Volume per Test.

We typically use 1 10^6 cells in a 100-?l experimental sample (per test).

An isotype control should be used at the same concentration as the antibody of interest.

Product Description

Programmed death ligand 2 (PD-L2), also referred to as B7-DC and CD273, is a member of the B7 family of proteins including B7-1, B7-2, B7-H2, B7-H1 (PD-L1), and B7-H3. PD-L2 is a type I membrane protein and structurally consists of an extracellular region containing one V-like and one C-like Ig domain, a transmembrane region, and a short cytoplasmic domain. PD-L2 is expressed on antigen presenting cells, placental endothelium and medullary thymic epithelial cells, and can be induced by LPS in B cells, INF-γ in monocytes, or LPS plus IFN-γ in dendritic cells. The CD28 and B7 protein families are critical regulators of immune responses. PD-L2 and PD-L1 are two ligands for PD-1, member of the CD28/CTLA4 family expressed on activated lymphoid cells, and thus provide signals for regulating T cell activation and immune tolerance. The interaction of B7-DC/PD-1 exhibited a 2-6-fold higher affinity compared with the interaction of B7-H1/PD-1.

Note: This product is for in vitro research use only