

## FITC Anti-Mouse CD273 Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M12731-02B	50 µg
M12731-02E	500 µg

**Market** | 400-621-0003  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

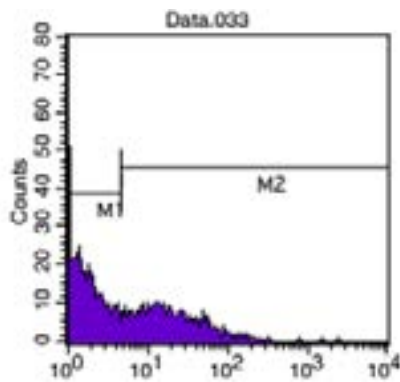
### Purified Antibody Characterization

Clone	Isotype	Reactivity
TY25	Rat IgG2a	Mouse

### Description

CD273 is also called programmed death ligand 2 (PD-L2), also known as B7-DC. It has recently been clustered as CD273. This ligand is a 42 kD member of the immunoglobulin receptor superfamily expressed on a subset of dendritic cells, liver and a small subset of macrophages as well as a few transformed cell lines. CD273 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.

### Illustration of Immunofluorescent Staining



**FITC anti-mouse CD273**

C57BL/6 mouse splenocytes splenocytes  
stained with FITC anti-mouse CD273

### Product Information

**Conjugation:** FITC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Concentration:** 0.2 mg/ml

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used  $\leq 1.0$  µg /10<sup>6</sup> cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

### References

- [1] Yamazaki T, et al. 2002. J. Immunol. 169:5538. (FC, IP, WB)
- [2] Ansari MJI, et al. 2003. J. Exp. Med. 198:63. (Block)
- [3] Salama AD, et al. 2003. J. Exp. Med. 198:71. (IHC)
- [4] Matsumoto K, et al. 2004. J. Immunol. 172:2530. (FC, Block)
- [5] Yamazaki T, et al. 2005. J. Immunol. 175:1586. (Block)

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