

PE Anti-Mouse CD274 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
M12741-09B	50 µg
M12741-09E	200 µg

Market	400-621-0003 marketing@sungenebiotech.com
Support	022-66211636-8024 techsupport@sungenebiotech.com
Web	www.sungenebiotech.com

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

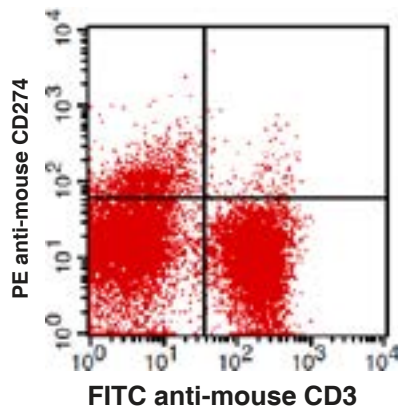
Purified Antibody Characterization

Clone	Isotype	Reactivity
10F.9G2	Rat IgG2b	Mouse

Description

CD274, also known as B7-H1 or programmed death ligand 1 (PD-L1), is a 40 kD type I transmembrane protein and a member of the B7 family within the immunoglobulin receptor superfamily. It is expressed on T cells, B cells, NK cells, dendritic cells, IFN- γ activated endothelial cells, and monocytes. B7-H1 is one of the ligands of PD-1. The interaction of B7-H1 with PD-1 plays an important role in the inhibition of T cell responses. Other studies have shown that B7-H1 is able to costimulate T cell growth and cytokine production. CD274 is involved in costimulation essential for T lymphocyte proliferation and production of IL-10 and IFN- γ , in an IL-2-dependent and a PDCD1-independent manner. Its interaction with PDCD1 inhibits T-cell proliferation and cytokine production.

Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with
FITC anti-mouse CD3 and PE anti-mouse CD274

Product Information

Conjugation: PE

Formulation: PBS pH 7.2, 0.09% NaN₃,
0.2% BSA

Concentration: 0.5 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 ≤ 0.25
 $\mu\text{g}/10^6$ cells in 100 μl). Since applications
vary, the appropriate dilutions must be
determined for individual use.

References

- [1] Sharpe A, et al. 2007. Nat. Immunol. 8:239.
- [2] Dong H, et al. 1999. Nat. Med. 5:1365.
- [3] Freeman G, et al. 2000. J. Exp. Med. 192:1027.

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