

FITC Anti-Mouse CD278 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
MHR12781-02B	50 µg
MHR12781-02E	500 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.

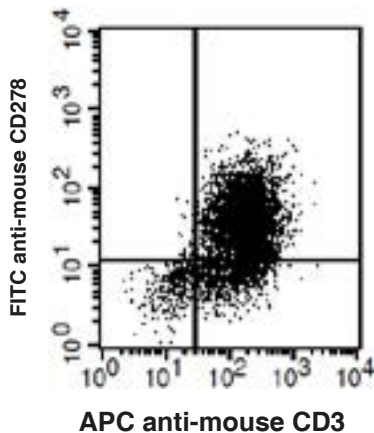
Purified Antibody Characterization

Clone	Isotype	Reactivity
17G9	Rat IgG2b	Mouse

Description

The 17G9 antibody reacts with the 47-57 kD ICOS protein, also known as inducible costimulatory molecule, and H4. This protein is homologous to the CD28/CTLA-4 proteins. ICOS is expressed on activated T cells and a subset of thymocytes and can costimulate T cells and induce proliferation. In addition ICOS has been shown to be involved in humoral immune responses (B cell germinal center formation). The ICOS ligand, B7h/B7RP-1 and B7-H2 is constitutively expressed in B cell areas of secondary lymphoid organs and can be induced in other tissues by LPS. ICOS stimulation has been shown to potentiate TCR-mediated IL-4 and IL-10 production and has been proposed to play a role in Th2 cell development. ICOS stimulation has been shown to be involved in airway tolerance and the downregulation of pulmonary inflammation.

Illustration of Immunofluorescent Staining



Con A-stimulated (3 days) C57BL/6 splenocytes stained with APC anti-mouse CD3 and FITC anti-mouse CD278

Product Information

Conjugation: FITC

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

References

- [1] Rudd CE, et al. 2003. Nat. Rev. Immunol. 3:544.
- [2] McAdam AJ, et al. 2000. J. Immunol. 165:5035.
- [3] Mak TW, et al. 2003. Nat. Immunol. 4:765.

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