

## APC 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
MHR12781-11A	25 µg
MHR12781-11C	100 µg

<b>Market</b>	400-621-0003 marketing@sungenebiotech.com
<b>Support</b>	022-66211636-8024 techsupport@sungenebiotech.com
<b>Web</b>	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.

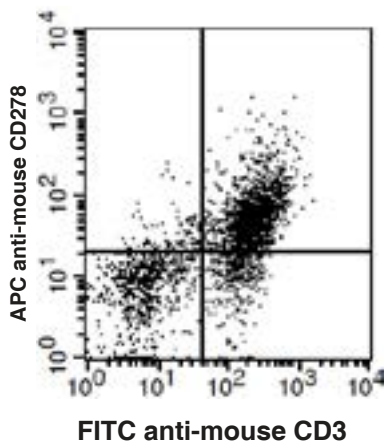
## Purified Antibody Characterization

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 FITC anti-mouse CD3 and APC anti-mouse CD278

## Product Information

**Conjugation:** APC

**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] 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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