

# APC Anti-Mouse IL-4 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
M100I9-11A	25 µg
M100I9-11C	100 µg

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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.

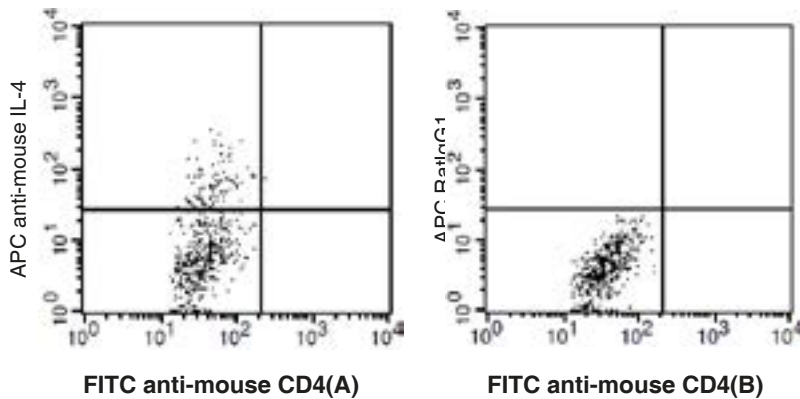
## Purified Antibody Characterization

Clone	Isotype	Reactivity
11B11	Rat IgG1	Mouse

## Description

IL-4 is a pleiotropic cytokine produced by activated T cells, mast cells, and basophils. IL-4 is a potent lymphoid cell growth factor which stimulates the growth and activation of certain B cells and T cells. IL-4 is important for regulation of T helper subset development.

## Illustration of Immunofluorescent Staining



C57BL/6 mouse CD4<sup>+</sup> splenocytes were stimulated with plate-bound anti-mouse CD3 in culture with anti-mouse CD28, IL-2 and IL-4 for 2 days, then followed by a 4-6 hour stimulation with PMA, ionomycin and golgi-stop. Then cells were stained with APC anti-mouse IL-4 (Figure A) and APC Rat IgG1 (Figure B).

## 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 ≤ 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] Assenmacher M, et al. 1994. Eur. J. Immunol. 24:1097.
- [2] Openshaw P, et al. 1995. J. Exp. Med. 182:1357.
- [3] Klinman D, et al. 1994. Curr. Prot. Immunol. John Wiley and Sons New York. Unit 6.19.
- [4] Litton M, et al. 1994. J. Immunol. Methods 175:47.
- [5] Charles N, et al. 2010. Nat. Med. 16:701.

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