Store at 4°C

PE Anti-Mouse IL-4 Monoclonal Antibody

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精准 高效 稳定 Precision Efficient Stable

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Catalog Number	Vial Size
M100I9-09B	50 µg
M100I9-09D	200 µg

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

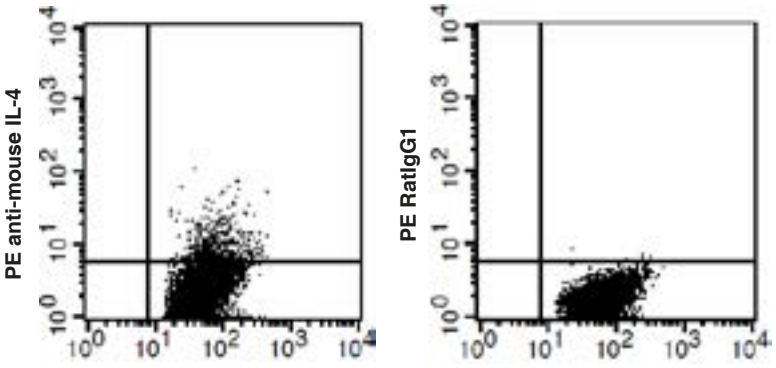
Purified Antibody Characterization

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$^+$ 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 PE anti-mouse IL-4 (Figure A) and PE Rat IgG1 (Figure B) .

Product Information

Conjugation: PE

Formulation: PBS pH 7.2, 0.09% NaN_3, 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 ≤ 0.25 µg /10^6 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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