

APC Anti-Mouse CD3 Monoclonal Antibody



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标准 高效 稳定 Precision Efficient Stable

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Catalog Number	Vial Size
M10034-11A	25 µg
M10034-11C	100 µg

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

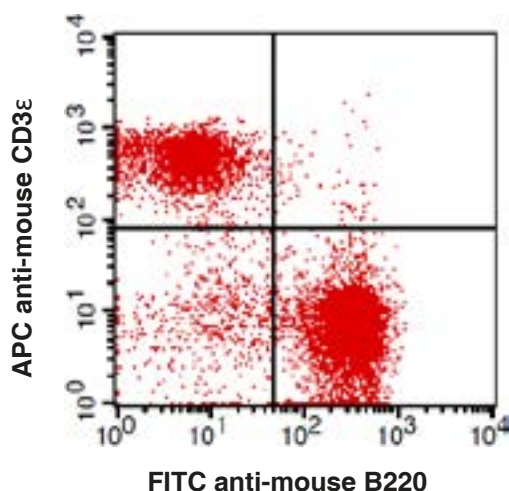
Purified Antibody Characterization

Clone	Isotype	Reactivity
17A2	Rat IgG2b	Mouse

Description

CD3, also known as T3, is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3ε, δ, γ and ζ chains. It forms a TCR complex by associating with TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.

Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with FITC anti-mouse B220 and APC anti-mouse CD3

Product Information

Conjugation: APC

Formulation: PBS pH 7.2, 0.09% NaN₃, 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 /10⁶ cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Miescher, G.C., et al. 1989. Immunol. Lett. 23:113.
- [2] Mysliwicz, J., et al. 1992. Blood 80:2661.
- [3] Wu, L., et al. 1991. J. Exp. Med. 174:1617.
- [4] Zhang, Y., et al. 2002. J. Immunol. 168:3088.
- [5] Zan, H., et al. 2005. EMBO J. 24:3757.

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