

## FITC Anti-Mouse CD3 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
M10034-02B	50 µg
M10034-02E	500 µg

**Market** | 400-621-0003  
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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.

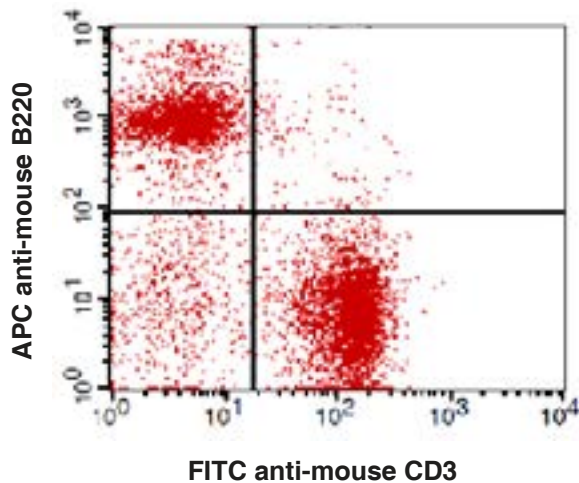
### Purified Antibody Characterization

Clone	Isotype	Reactivity
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 CD3 $\epsilon$ ,  $\delta$ ,  $\gamma$  and  $\zeta$  chains. It forms a TCR complex by associating with TCR  $\alpha/\beta$  or  $\gamma/\delta$  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



Balb/C mouse splenocytes stained with FITC anti-mouse CD3 and APC anti-mouse B220

### Product Information

**Conjugation:** FITC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 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  $\leq 1.0 \mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). 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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