

PE Anti-Mouse CD3 ϵ Monoclonal Antibody



天津三箭生物技术股份有限公司
Tianjin Sungene Biotech Co., Ltd.
标准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M10032-09B	50 μ g
M10032-09D	200 μ g

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.

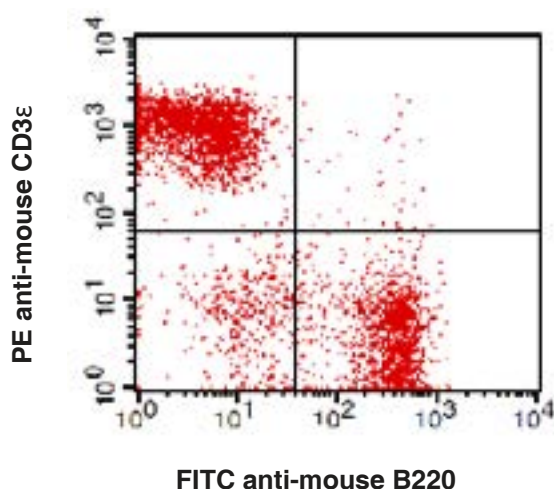
Purified Antibody Characterization

Clone	Isotype	Reactivity
145-2C11	Hamster IgG	Mouse

Description

CD3 ϵ is a 20 kD transmembrane protein, also known as CD3 or T3. It 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 ϵ forms a TCR complex by associating with the CD3 δ , γ and ζ chains, as well as the 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 PE anti-mouse CD3 ϵ

Product Information

Conjugation: PE

Formulation: PBS pH 7.2, 0.09% NaN₃, 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 $\leq 0.25 \mu$ g /10⁶ cells in 100 μ l). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Salvadori, S., et al. 1994. J. Immunol. 153:5176.
- [2] Payer, E., et al. 1991. J. Immunol. 146:2536.
- [3] Jacobs, H., et al. 1994. Eur. J. Immunol. 24:934.
- [4] Vossen, A.C.T.M., et al. 1995. Eur. J. Immunol. 25:1492.
- [5] Henrickson, M. et al. 1995. Transplantation 60:828.
- [6] Kinnaert, P., et al. 1996. Transpl. Int. 9:386.

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