

Biotin Anti-mouse CD3ε 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
M10032-08B	50 µg
M10032-08E	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.

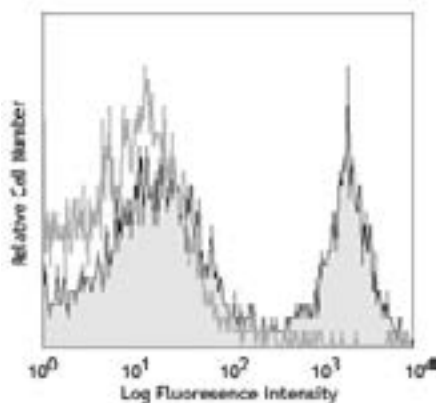
Purified Antibody Characterization

Clone	Isotype	Reactivity
145-2C11	Hamster IgG	Mouse

Description

CD3ε 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. CD3ε forms a TCR complex by associating with the CD3δ, 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 were stained with biotinylated CD3ε or Armenian hamster IgG isotype control, followed by Sav-PE.

Product Information

Conjugation: Biotin

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 ≤ 0.25 µg /10⁶ cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Barclay, A., et al. 1997. The Leukocyte Antigen FactsBook, Academic Press.
- [2] Bierer, B.E., et al. 1989. Annu. Rev. Immunol. 7:579.
- [3] Janeway, C.A. 1992. Annu. Rev. Immunol. 10:645.

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