Store at 4°C

FITC Anti-Mouse TCR Vγ2 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

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Catalog Number	Vial Size
M100T7-02B	50 µg
M100T7-02E	500 µg

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

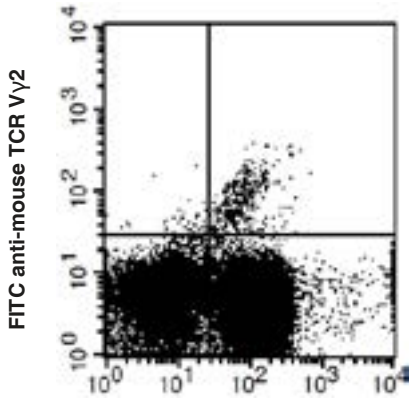
Purified Antibody Characterization

Clone	Isotype	Reactivity
UC3-10A6	Hamster IgG	Mouse

Description

T-Cell Receptor (TCR) Vγ2 bearing T lymphocytes make up a significant proportion of γδ TCR cells in late fetal and adult peripheral lymphoid tissues. TCR γδ T cells may play a role in immunological surveillance for stress-induced self-antigens. The frequency of Vγ2 expression in different strains varied from 12% to 54% in the TCR γδ repertoire. Variations in the levels of $V\gamma2^+$ cells are not associated with MHC haplotype. High Vγ2 expression is influenced by the TCR-δ locus. Expanding $V\gamma2^+$ TCRγδ cells in B6 mice overwhelmingly use a $V\delta7^+$ δ chain except in the DBA/2 strain.

Illustration of Immunofluorescent Staining



APC anti-mouse CD4

C57BL/6 mouse splenocytes stained with
APC anti-mouse CD3 and FITC anti-mouse TCR Vγ2

Product Information

Conjugation: FITC

Formulation: PBS pH 7.2, 0.09% NaN_3, 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 /10^6 cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Allison, J.P., et al. 1991. Annu. Rev. Immunol. 9:679.
[2] O'Brien, R.L., et al. 2000. J. Immunol. 165:6472.

For Research Use Only.

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