Biotin 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

Catalog Number	Vial Size
M100T7-08B	50 μg
M100T7-08E	500 μg

Market | 400-621-0003
marketing@sungenebiotech.com

Support | 022-66211636-8024
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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
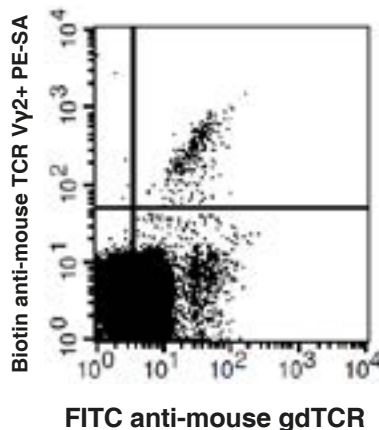This product is guaranteed up to one year from purchase.

Purified Antibody Characterization

Clone	Isotype	Reactivity
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 Vγ2$^+$ cells are not associated with MHC haplotype. High V γ 2 expression is influenced by the TCR-δ locus. Expanding Vγ2$^+$ TCRγδ cells in B6 mice overwhelmingly use a Vδ7$^+$ δ chain except in the DBA/2 strain.

Illustration of Immunofluorescent Staining

FITC anti-mouse gdTCR

C57BL/6 mouse splenocytes CD3$^+$ stained with FITC anti-mouse gdTCR and Biotin anti-mouse TCR Vγ2, followed by PE-SA

Product Information

Conjugation: Biotin

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.

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