

FITC anti-mouse TCR V γ 2

Catalog # / Size: 137703 / 50 μ g
137704 / 200 μ g

Clone: UC3-10A6

Isotype: Armenian hamster IgG

Immunogen: G8 mouse T cells

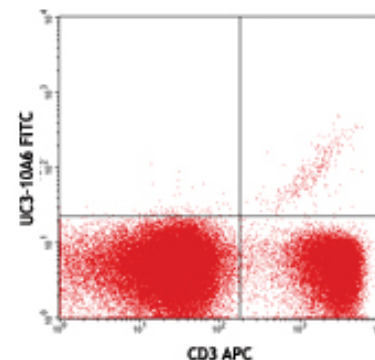
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 splenocytes stained with UC3-10A6 FITC and CD3 APC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.25 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Dent AL, *et al.* 1990. *Nature* 343:714.
2. Kelly KA, *et al.* 1993. *Int. Immunol.* 5:331.
3. Sperling AI, *et al.* 1992. *J. Immunol.* 149:3200.
4. Sperling AI, *et al.* 1997. *J. Immunol.* 159:86.

Description: T cell receptor (TCR) V γ 2 bearing T lymphocytes make up a significant proportion of $\gamma\delta$ TCR cells in late fetal and adult peripheral lymphoid tissues. TCR $\gamma\delta$ T cells may play a role in immunological surveillance for stress-induced self-antigens. The frequency of V γ 2 expression in different strains varied from 12% to 54% in the TCR $\gamma\delta$ repertoire. Variations in the levels of V γ 2⁺ cells are not associated with MHC haplotype. High V γ 2 expression is influenced by the TCR- δ locus. Expanding V γ 2⁺ TCR $\gamma\delta$ cells in B6 mice overwhelmingly use a V δ 7⁺ δ chain except in the DBA/2 strain.

Antigen References:

1. Allison JP, *et al.* 1991. *Annu. Rev. Immunol.* 9:679.
2. O'Brien RL, *et al.* 2000. *J. Immunol.* 165:6472.

Related Products:

Product	Clone	Application
FITC Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC



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