

Product Data Sheet

FITC anti-mouse TCR V α 3.2 [b, c]

Catalog # / Size: 135403 / 50 μ g
 135404 / 200 μ g

Clone: RR3-16

Isotype: Rat IgG2b, κ

Immunogen: Mouse cytolytic T-cell clone OH6

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.**

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. Utsunomiya Y, *et al.* 1991. *Immunogenetics*. 33(3):198
 2. Utsunomiya Y, *et al.* 1989. *J. Immunol.* 143:2602

Description: TCR is a heterodimer composed of alpha and beta chains or gamma and delta chains. TCR V α elements expression is largely independent of MHC haplotype. It is likely that the V α s interact preferentially with conserved region of class I or class II molecules. RR3-16 antibody reacts with the V α 3.2 T-cell receptor (TCR) of mice having the b (e.g., C57BL/6) and c (e.g., SJL, NOD) haplotypes, but not with the strains having the a (Balb/c) or d (DBA/2) haplotype. V α 3.2 TCR is preferentially expressed by CD8⁺ T cells.

Antigen References: 1. Utsunomiya Y, *et al.* 1989. *J. Immunol.* 143:2602
 2. Sim BC, *et al.* 1997. *J. Immunol.* 159(7):3322
 3. Iwamoto A, *et al.* 1987. *J. Exp. Med.* 165(3):591

Related Products:

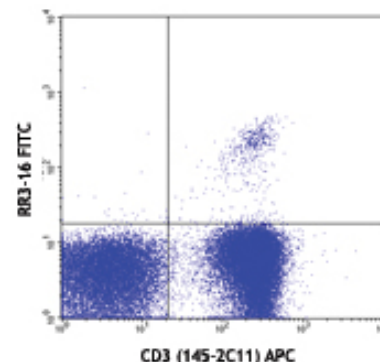
Product
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)
 FITC Rat IgG2b, κ Isotype Ctrl

Clone

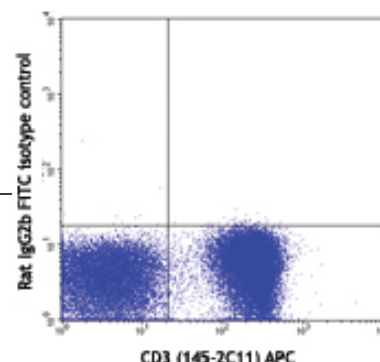
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 RTK4530

Application

FC, ICC, ICFC
 FC, ICFC
 FC
 FC, ICFC



C57BL/6 mouse lymph node cells stained with RR3-16 FITC and CD3 (145-2C11) APC



C57BL/6 lymph node cells stained with rat IgG2b FITC isotype control and CD3 (145-2C11) APC



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