

# Product Data Sheet

## PE anti-mouse TCR V $\alpha$ 3.2 [b, c]

**Catalog # / Size:** 135405 / 50  $\mu$ g  
135406 / 200  $\mu$ g

**Clone:** RR3-16

**Isotype:** Rat IgG2b,  $\kappa$

**Immunogen:** Mouse cytolytic T-cell clone OH6

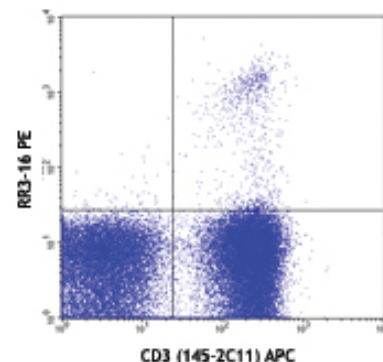
**Reactivity:** Mouse

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

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

**Concentration:** 0.2 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 mouse lymph node cells stained with RR3-16 PE and CD3 (145-2C11) 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  $\leq 0.25$   $\mu$ g per million cells in 100  $\mu$ 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 $\alpha$  elements expression is largely independent of MHC haplotype. It is likely that the V $\alpha$ s interact preferentially with conserved region of class I or class II molecules. RR3-16 antibody reacts with the V $\alpha$ 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 $\alpha$ 3.2 TCR is preferentially expressed by CD8<sup>+</sup> 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

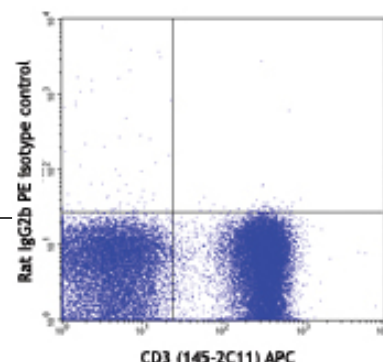
### Related Products:

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

Clone  
RTK4530

93

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



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



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