

PE anti-mouse TCR V β 11

Catalog # / Size: 139003 / 25 μ g
139004 / 100 μ g

Clone: RR3-15

Isotype: Rat IgG2b, κ

Immunogen: Mouse cytolytic T-cell clone OH6

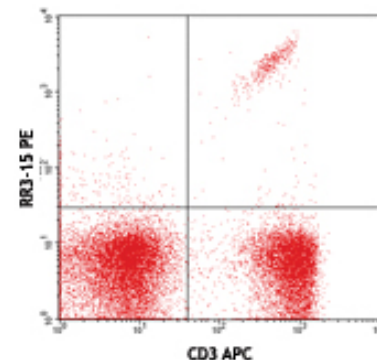
Reactivity: Mouse

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 splenocytes stained with CD3 (145-2C11) APC and RR3-15 PE

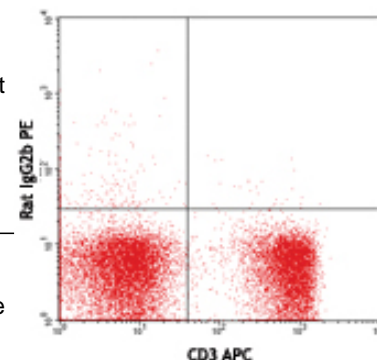
Applications:

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 Notes: Additional reported applications (for relevant formats) include: Western Blot¹.

Application References: 1. Bill J, *et al.* 1989. *J. Exp. Med.* 169:1405. (WB)



C57BL/6 mouse splenocytes stained with CD3 (145-2C11) APC and rat IgG2b, κ (RTK4530) PE isotype control

Description: T cell receptor (TCR) is a heterodimer consisting of an α and a β chain (TCR α/β) or a γ and a δ chain (TCR γ/δ). TCR- β is a member of the immunoglobulin superfamily and a component of the CD3/TCR complex. The CD3/TCR complex plays a key role in antigen recognition, signal transduction, and T cell activation. V β 11-bearing T cells are largely absent from strains of mice that express MHC class II molecule I-E. It has been demonstrated that the expression of I-E molecule is necessary for the clonal deletion of V beta 11-bearing T cells, but not sufficient for the clonal elimination of V beta 11-bearing T cells.

- Antigen References:**
1. Davis MM, *et al.* 1998. *Ann. Rev. Immunol.* 16:523.
 2. Kubo R, *et al.* 1989. *J. Immunol.* 142:2736.
 3. Haqqi TM, *et al.* 1989. *J. Exp. Med.* 169:1903.
 4. Behlke MA, *et al.* 1986. *Proc. Natl. Acad. Sci. USA* 83:767.
 5. Gao EK, *et al.* 1989. *J. Exp. Med.* 170:1947.

Related Products:

Product
PE Rat IgG2b, κ 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



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