

# Product Data Sheet

## PE anti-mouse TCR Vβ6

**Catalog # / Size:** 140003 / 25 µg  
140004 / 100 µg

**Clone:** RR4-7

**Isotype:** Rat IgG2b, λ

**Immunogen:** H-Y specific TH Clone OI11

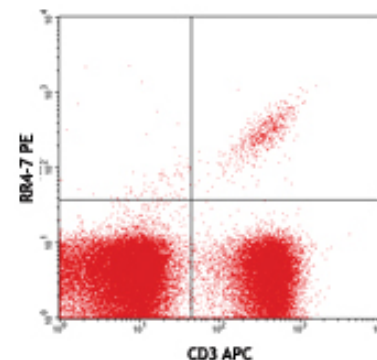
**Reactivity:** Mouse

**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 splenocytes stained with RR4-7 PE 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 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: Induction of T cell proliferation<sup>1</sup>, blocking *in vitro* cytotoxicity<sup>1</sup>, and *in vivo* blocking of syngeneic T cell tumor growth<sup>2</sup>.

**Application References:** 1. Kanagawa O and Palmer EBJ. 1989. *Cell. Immunol.* 119:412. (Activ Block)  
2. Kanagawa O. 1989. *J. Exp. Med.* 170:1513. (Block)

**Description:** Vβ6 T cell receptor (TCR Vβ6) is a variant of TCR β chain and along with TCR α chain forms the TCR heterodimer. In association with the CD3 complex, TCR α/β is responsible for antigen recognition in the MHC-Peptide complex and the initiation of the T cell-mediated immune responses. Murine Vβ6 cells recognize the Mtv-7, Mls-1, and rabies superantigens.

**Antigen References:** 1. Acha-Orbea H and MacDonald HR. 1995. *Annu. Rev. Immunol.* 13:459.  
2. Rudy CK, *et al.* 1992. *J. Exp. Med.* 175:1613.  
3. Jones LA, *et al.* 1990. *Science* 250:1726.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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