

**PE anti-mouse TCR V $\gamma$ 3**

**Catalog # / Size:** 1287515 / 25  $\mu$ g  
1287520 / 100  $\mu$ g

**Clone:** 536

**Isotype:** Hamster IgG

**Immunogen:** AKR mouse dendritic epidermal cell clone 7-17

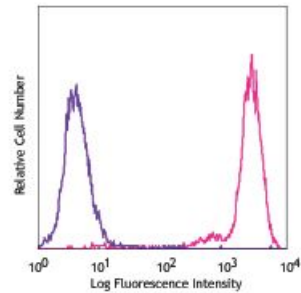
**Reactivity:** Mouse

**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.

Mouse dendritic epidermal cell line 7-17 stained with 536 PE

**Concentration:** 0.2



**Applications:**

**Applications:** Flow Cytometry

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

**Application Notes:** Additional reported (for relevant formats) application include: immunoprecipitation<sup>1</sup> and immunofluorescence<sup>2</sup>.

*This product may be used for research purposes only. It is not licensed for resale and may only be used by the buyer. This product may not be used and is not licensed for clinical assays, where the results of such assays are provided as a diagnostic service. If a diagnostic or therapeutic use is anticipated, then a license must be requested from the University of California. This availability of such diagnostic and therapeutic use license(s) cannot be guaranteed from the University of California.*

- Application References:**
1. Havran WL, et al. 1989. *P. Natl. Acad. Sci. USA* 86:4189. (IP)
  2. Havran WL, et al. 1999. *J. Immunol.* 142:1422. (IF)
  3. Uchida Y, et al. 2011. *J. Immunol.* 186:6945. [PubMed](#)
  4. Hu S, et al. 2013. *J. Immunol.* 190:3267. [PubMed](#).

**Description:** V $\gamma$ 3<sup>+</sup> T cells are the predominant  $\gamma\delta$  TCR-bearing cells in early fetal thymus. The majority of CD3<sup>+</sup> cells in 14-day fetal thymus express V $\gamma$ 3. V $\gamma$ 3 is also expressed on Thy-1<sup>+</sup> dendritic epidermal cells (Thy-1<sup>+</sup> DEC)s. Cells that express V $\gamma$ 3 are not significantly detectable in adult lymphoid organs. It has been reported that Lck and Fyn, two Src family kinases, are required for the development of V $\gamma$ 3<sup>+</sup> T cells.

- Antigen References:**
1. Allison JP, et al. 1991. *Annu. Rev. Immunol.* 9:679.
  2. O'Brien RL, et al. 2000. *J. Immunol.* 165:6472.
  3. Kelly KA, et al. 1993. *Int Immunol.* 5:331.
  4. Moore TA, et al.

