

PE anti-mouse TCR V γ 3

Catalog # / Size: 137503 / 25 μ g
137504 / 100 μ g

Clone: 536

Isotype: Syrian hamster IgG

Immunogen: AKR mouse dendritic epidermal cell clone 7-17

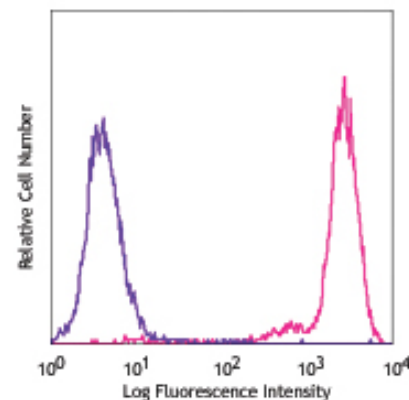
Reactivity: Mouse, **Cross-Reactivity:** No

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.**



Mouse dendritic epidermal cell line 7-17 stained with 536 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 (for relevant formats) application include: immunoprecipitation¹ and immunofluorescence².

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:

- Havran WL, et al. 1989. *P. Natl. Acad. Sci. USA* 86:4189. (IP)
- Havran WL, et al. 1999. *J. Immunol.* 142:1422. (IF)
- Uchida Y, et al. 2011. *J. Immunol.* 186:6945. PubMed

Description: V γ 3⁺ T cells are the predominant $\gamma\delta$ TCR-bearing cells in early fetal thymus. The majority of CD3⁺ cells in 14-day fetal thymus express V γ 3. V γ 3 is also expressed on Thy-1⁺ dendritic epidermal cells (Thy-1⁺ DECs). Cells that express V γ 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 γ 3⁺ T cells.

Antigen References:

- Allison JP, et al. 1991. *Annu. Rev. Immunol.* 9:679.
- O'Brien RL, et al. 2000. *J. Immunol.* 165:6472.
- Kelly KA, et al. 1993. *Int Immunol.* 5:331.
- Moore TA, et al. 1996. *J. Immunol.* 157:2366.
- Payer E, et al. 1991. *J. Immunol.* 146:2536.
- Van Oers NSC, et al. 1996. *Immunity* 5:429.

Related Products:

Product
 PE Syrian Hamster IgG Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)

Clone
 SHG-1

93

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



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.