

Purified anti-mouse TCR V γ 3

Catalog # / Size: 137502 / 100 μ g

Clone: 536

Isotype: Syrian hamster IgG

Immunogen: AKR mouse dendritic epidermal cell clone 7-17

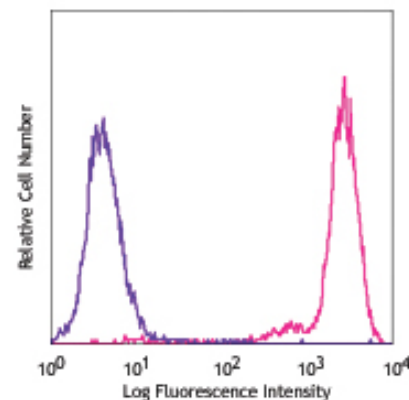
Reactivity: Mouse, **Cross-Reactivity:** No

Preparation: The antibody was purified by affinity chromatography.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



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

Applications:

Applications: FC - Quality tested
IP, IF - Reported in the literature

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.

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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
- Frascoli M, et al. 2012. *J. Immunol.* 189:174. 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
Purified Syrian Hamster IgG Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
SHG-1

Application
FC, ICC, ICFC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



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