

PE/Cy5 Anti-Mouse TCR  $\gamma/\delta$  Monoclonal Antibody

天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M100T61-35A	25 $\mu$ g
M100T61-35C	100 $\mu$ g

**Market** | 400-621-0003  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

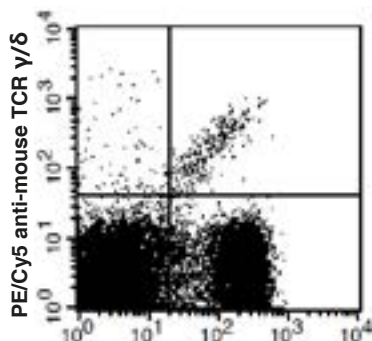
## Purified Antibody Characterization

Clone	Isotype	Reactivity
GL3	Hamster IgG	Mouse

## Description

T cell receptor (TCR) is a heterodimer consisting of an  $\alpha$  and a  $\beta$  chain (TCR  $\alpha/\beta$ ) or a  $\gamma$  and a  $\delta$  chain (TCR  $\gamma/\delta$ ). TCR  $\gamma/\delta$  belongs to the immunoglobulin superfamily, which is involved in the recognition of certain bacterial and tumor antigens bound to MHC class I.  $\gamma/\delta$  TCR associates with CD3 and is expressed on a T cell subset found in the thymus, the intestinal epithelium, and the peripheral lymphoid tissues and peritoneum. Most  $\gamma/\delta$  T cells are CD4<sup>-</sup>/CD8<sup>-</sup> although some are CD8<sup>+</sup>. T cells expressing the  $\gamma/\delta$  TCR have been shown to play a role in oral tolerance, tumor-associated tolerance, and autoimmune disease. It has been reported that  $\gamma/\delta$  T cells also play a principal role in antigen presentation.

## Illustration of Immunofluorescent Staining



FITC anti-mouse CD3

C57BL/6 mouse splenocytes stained with  
FITC anti-mouse CD3 and PE/Cy5 anti-mouse TCR  $\gamma/\delta$

## Product Information

**Conjugation:** PE/Cy5

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>,  
0.2% BSA

**Concentration:** 0.2 mg/ml

**Storage:** Keep as concentrated solution.  
Store at 4°C and protected from prolonged  
exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality  
control tested by immunofluorescent staining  
with flow cytometric analysis (The amount of  
the reagent is suggested to be used  $\leq 0.25$   
 $\mu$ g /10<sup>6</sup> cells in 100  $\mu$ l). Since applications  
vary, the appropriate dilutions must be  
determined for individual use.

## References

- [1] Skarstein K, et al. 1995. Immunology 81:497.
- [2] Harrison LC, et al. 1996. J. Exp. Med. 184:2167.
- [3] Wildner G, et al. 1996. Eur. J. Immunol. 26:2140.
- [4] Brandes M, et al. 2005. Science 309:264.

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