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**Product name:** Anti-Mouse TCR  $\gamma/\delta$  Monoclonal Antibody(FITC Conjugated)

**Catalog:** DL21569F

**Synonyms:** TCR- $\gamma/\delta$ ,  $\gamma/\delta$  TCR

**Background:** 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, involved in the recognition of certain bacterial and tumor antigens bound to MHC class I. The TCR  $\gamma/\delta$  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-/CD8-, some are CD8+. T cells expressing the TCR  $\gamma/\delta$  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. Immobilized UC7-13D5 antibody has been reported to activate TCR- $\gamma/\delta$ -bearing T cells in vitro, and to deplete peripheral TCR- $\gamma/\delta$ -bearing T cells in vivo.

**Form:** Liquid

**Isotype:** Armenian Hamster IgG

**Size:** 25 $\mu$ g/50 $\mu$ g/100 $\mu$ g/200 $\mu$ g

**Host:** Armenian Hamster

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** FITC

**SwissProt:**

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### **Recommended Use:**

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results or refer

to the dilution we used in the experiment.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.