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Product name: Anti-Mouse TCR γ/δ Monoclonal Antibody(Biotin
Conjugated)

Catalog: DL21565F

Synonyms: TCR- γ/δ , γ/δ TCR

Background: T cell receptor (TCR) is a heterodimer consisting of an α and a β chain (TCR α/β) or a γ and a δ chain (TCR γ/δ). TCR γ/δ belongs to the immunoglobulin superfamily, involved in the recognition of certain bacterial and tumor antigens bound to MHC class I. The TCR γ/δ 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 γ/δ T cells are CD4-/CD8-, some are CD8+. T cells expressing the TCR γ/δ have been shown to play a role in oral tolerance, tumor-

associated tolerance, and autoimmune disease. It has been reported that γ/δ T cells also play a principal role in antigen presentation. Immobilized UC7-13D5 antibody has been reported to activate TCR- γ/δ -bearing T cells in vitro, and to deplete peripheral TCR- γ/δ -bearing T cells in vivo.

Form: Liquid

Isotype: Armenian Hamster IgG

Size: 50 μ g/100 μ g

Host: Armenian Hamster

Reactivity: Mouse

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: Biotin

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. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for

each application.

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.