



11 Park Drive, Suite 12
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Hamster monoclonal anti mouse TCR (delta/gamma) (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0057
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse thymus
Ig Type:	Armenian Hamster IgG
Clone	AP-MAB0864
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, activation, and Depletion

Description: 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 γ/δ 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 γ/δ T cells are CD4-/CD8-, some are CD8+. T cells expressing the γ/δ TCR 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.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Hamster immunized with **Mouse thymus**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μ m filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles**. Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

* **Endotoxin Level:** Extremely low level of LPS (< 0.002EU/ μ g IgG)

Application(s):

1. **FC**
2. **In vitro activation of γ/δ TCR-bearing T cells**
3. **In vivo depletion of peripheral γ/δ TCR-bearing T cells**

* **The antibody is produced by in vitro culture.**

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