Anti-mouse TCR gamma/delta Antibody (UC7-13D5, Mouse IgG1 Kappa) | PA007818.m1

Catalog No.: PA007818.m1 | **Isotype:** Mouse IgG1 Kappa | **Flow Cytometry Grade**

Recombinant mouse anti-mouse TCR γ/δ monoclonal antibody (Clone UC7-13D5), engineered with a Mouse IgG1 Fc domain for target recognition in cell surface analysis and functional studies. Variable regions are derived from the classic Syrian hamster anti-mouse TCR γ/δ clone UC7-13D5 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007818.m1
Product Name	Recombinant Anti-mouse TCR gamma/delta Monoclonal Antibody (Clone: UC7-13D5), Mouse IgG1 Kappa
Clone & Isotype	UC7-13D5 | Mouse IgG1 Kappa
Applications	In Vivo Depletion/Blocking, Flow cytometry (FC), Functional Assays, and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse TCR γ/δ. The recombinant UC7-13D5 antibody specifically binds to mouse TCR γ/δ.
Source / Host	The anti-mouse TCR γ/δ monoclonal antibody (clone: UC7-13D5) was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives. Non-conjugated.
Purity & Endotoxin	**>95%** by SDS-PAGE under reducing conditions and HPLC. | **< 1.0 EU/mg** (Ultra-low, In Vivo Grade).
Shipping	The recombinant anti-mouse TCR γ/δ monoclonal antibody of clone UC7-13D5 is shipped with ice pack. Upon receipt, store it immediately at the recommended temperature.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Biological Description & Background

Recombinant Mouse IgG1 Kappa Monoclonal Antibody.

The gamma-delta T-cell receptor (TCR γ/δ) heterodimer is expressed on a distinct lineage of T lymphocytes involved in rapid innate-like immune responses, mucosal protection, and tissue homeostasis. Monoclonal antibody UC7-13D5 specifically recognizes the constant region of the murine TCR γ/δ complex, reacting with all γ/δ T cells regardless of Vγ or Vδ gene usage. This recombinant antibody is an indispensable tool for gating γ/δ T cells in flow cytometry, functional blocking, and cell surface phenotyping in mouse models.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-tcr-gamma-delta-monoclonal-antibody-pa007818-m1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com