Anti-mouse TCR V gamma 2 Antibody (UC3-10A6, Human IgG1 Fc Silent Kappa) | PA007862.h1Fs

Catalog No.: PA007862.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse TCR Vγ2 monoclonal antibody (Clone UC3-10A6), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during in vivo and in vitro studies. Variable regions are derived from the classic Syrian hamster anti-mouse TCR Vγ2 clone UC3-10A6 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007862.h1Fs
Product Name	Recombinant Anti-mouse TCR V gamma 2 Monoclonal Antibody (Clone: UC3-10A6), Human IgG1 Fc Silent Kappa
Clone & Isotype	UC3-10A6 | Human IgG1 Fc Silent Kappa
Applications	In Vivo Blocking, Flow cytometry (FC), Functional Assays, and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse TCR V gamma 2. The recombinant UC3-10A6 antibody specifically binds to mouse TCR V gamma 2.
Source / Host	The anti-mouse TCR V gamma 2 monoclonal antibody (clone: UC3-10A6) 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 V gamma 2 monoclonal antibody of clone UC3-10A6 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 Human IgG1 Monoclonal Antibody with Fc silent mutation.

T-cell receptor (TCR) V gamma 2 (Vγ2) is a variable region component of the gamma-delta (γδ) T-cell receptor complex expressed on specific subsets of γδ T cells in mice. These T cells play an important role in mucosal immunity, tumor surveillance, and inflammatory responses.

The monoclonal antibody UC3-10A6 specifically recognizes murine TCR Vγ2. Engineered with a Human IgG1 Fc Silent domain, this antibody eliminates ADCC/CDC effector functions and prevents non-specific interaction with Fc receptors, providing an ideal tool for signal blocking, functional assays, and flow cytometry without inducing antibody-mediated cell depletion.

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-v-gamma-2-monoclonal-antibody-pa007862-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com