Biotinylated Anti-mouse TCR V gamma 2 Antibody (UC3-10A6, Human IgG1 Fc Silent Kappa) | PA007863.h1Fs-b

Catalog No.: PA007863.h1Fs-b | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry Grade**

Recombinant anti-mouse TCR Vγ2 monoclonal antibody (Clone UC3-10A6, Biotinylated), engineered with a Human IgG1 Fc-Silent domain to minimize non-specific Fc receptor binding during cell surface analysis. 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.	PA007863.h1Fs-b
Product Name	Biotinylated 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	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Reactivity & Specificity	Mouse TCR V gamma 2. The site-directed biotinylated recombinant UC3-10A6 antibody specifically binds to mouse TCR V gamma 2.
Source / Host	The site-directed biotinylated 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. Biotin-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions and HPLC.
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 site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

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. Engineered with a Human IgG1 Fc Silent domain, this antibody minimizes background Fc receptor interactions. C-terminal site-directed biotinylation via an Avi tag ensures unified antibody orientation, enabling highly sensitive detection and sorting using streptavidin-conjugated fluorophores or magnetic beads in flow cytometry workflows.

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/biotinylated-anti-mouse-tcr-v-gamma-2-monoclonal-antibody-pa007863-h1fs-b/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com