Biotinylated Anti-mouse CD8a Antibody (53-6.72, Human IgG1 Fc Silent Kappa) | PA007799.h1Fs-b

Catalog No.: PA007799.h1Fs-b | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry Grade**

Recombinant anti-mouse CD8a monoclonal antibody (Clone 53-6.72, 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 rat anti-mouse CD8a clone 53-6.72 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007799.h1Fs-b
Product Name	Biotinylated Recombinant Anti-mouse CD8a Monoclonal Antibody (Clone: 53-6.72), Human IgG1 Fc Silent Kappa
Clone & Isotype	53-6.72 | 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 CD8a. The site-directed biotinylated recombinant 53-6.72 antibody specifically binds to mouse CD8a.
Source / Host	The site-directed biotinylated anti-mouse CD8a monoclonal antibody (clone: 53-6.72) 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 CD8a monoclonal antibody of clone 53-6.72 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.

Our Recombinant Anti-Mouse CD8a Monoclonal Antibody (Clone: 53-6.72) represents a sequence-defined, mammalian-expressed technological upgrade specifically engineered to deliver unmatched signal clarity in flow cytometry (FC/FACS) and immunohistochemistry (IHC-F). As a definitive cell-surface lineage marker, the mouse CD8a protein (T-cell surface glycoprotein CD8 alpha chain) serves as a critical orchestrator for identifying and gating cytotoxic T lymphocyte (CTL) populations within complex murine models of oncology, autoimmunity, and infectious diseases.

By leveraging advanced recombinant engineering, our Anti-Mouse CD8a Clone 53-6.72 retains the exact high-fidelity variable regions of the classic 53-6.7 clone while completely overcoming the biological vulnerabilities of legacy hybridoma-derived reagents. Engineered with a Human IgG1 Fc Silent domain and C-terminal site-directed biotinylation, this antibody minimizes background Fc receptor binding and provides optimal streptavidin detection sensitivity.

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-cd8a-monoclonal-antibody-pa007799-h1fs-b/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com