Anti-mouse CD8a Antibody (53-6.72, Rat IgG2a Kappa) | PA007798.r2a

Catalog No.: PA007798.r2a | **Isotype:** Rat IgG2a Kappa | **Flow Cytometry Grade**

Recombinant rat anti-mouse CD8a monoclonal antibody (Clone 53-6.7), engineered with a Rat IgG2a domain for target recognition in cell surface analysis and functional studies. Variable regions are derived from the classic rat anti-mouse CD8a clone 53-6.7 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007798.r2a
Product Name	Recombinant Anti-mouse CD8a Monoclonal Antibody (Clone: 53-6.72), Rat IgG2a Kappa
Clone & Isotype	53-6.72 | Rat IgG2a Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD8a. The recombinant 53-6.72 antibody specifically binds to mouse CD8a.
Source / Host	The 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. Non-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

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. Traditional hybridomas are notoriously prone to genetic drift, unexpected mutations, and contaminating light chains that degrade data quality; in contrast, this premium recombinant anti-mouse CD8a antibody guarantees absolute batch-to-batch consistency and a purified, ultra-pure signal profile, ensuring flawless long-term FACS gating stability.

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-cd8a-monoclonal-antibody-pa007798-r2a/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com