Anti-mouse CD3 Antibody for Flow Cytometry (Clone: 17A2, Rat IgG2b Kappa) | PA007254.r2b

Catalog No.: PA007254.r2b | **Isotype:** Rat IgG2b Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant rat anti-mouse CD3 monoclonal antibody (Clone 17A2), engineered with a Rat IgG2b Kappa constant region for flow cytometry and immunohistochemistry studies. Variable regions are derived from the classic rat anti-mouse CD3 clone 17A2 and recombinantly expressed in mammalian cells. Recombinant rat IgG2b isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007254.r2b
Product Name	Recombinant Anti-mouse CD3 Monoclonal Antibody (Clone: 17A2), Rat IgG2b Kappa
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Clone & Isotype	17A2 | Rat IgG2b Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD3. The recombinant 17A2 antibody for Flow Cytometry specifically binds to the mouse T cell receptor CD3.
Source / Host	The recombinant anti-mouse CD3 monoclonal antibody (clone: 17A2) for Flow Cytometry was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions and HPLC.
Shipping	The Recombinant Anti-mouse CD3 Monoclonal Antibody (Clone: 17A2) for Flow Cytometry, Rat IgG2b Kappa is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, 2 to 8°C as supplied. Do not freeze it.

Biological Description & Background

PA007254.r2b: Recombinant Anti-mouse CD3 Monoclonal Antibody (Clone: 17A2) for Flow Cytometry, Rat IgG2b Kappa.

The 17A2 antibody binds to CD3 epsilon of the T cell receptor-CD3 complex found only on mature T cells and medullary thymocytes.

CD3 is a key protein complex composed of distinct chains (CD3D, CD3E, CD3G) that associate with the T-cell receptor (TCR) to mediate signal transduction upon antigen recognition.

The monoclonal antibody clone 17A2 specifically binds to mouse CD3 epsilon. Produced recombinantly with a Rat IgG2b Kappa backbone in mammalian cells, this antibody provides superior lot-to-lot consistency and reliable performance in flow cytometry, immunohistochemistry, and T cell research. For human T cell research, Syd Labs OKT3 antibodies are also available.

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-cd3-monoclonal-antibody-pa007254-r2b/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com