

Mouse CD3 Fluorescein-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 17A2 Catalog Number: FAB4841F 100 TESTS, 25 TESTS

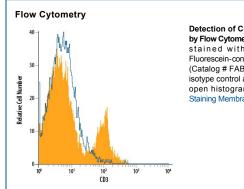
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.		
Source	Monoclonal Rat IgG _{2B} Clone # 17A2		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	T cell hybridoma D1		
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA



Detection of CD3 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Rat Anti-Mouse CD3 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB4841F, filled histogram) or isotype control antibody (Catalog # ICO13F, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Monoclonal 17A2 was generated by immunizing rats with a T-cell hybridoma (1). This antibody has been shown to react with the epsilon chain of the CD3 complex (1). The CD3 protein complex is expressed on thymocytes and mature T-cells and, therefore, is a useful reagent to monitor T-cell frequencies in tissues.

References:

1. Miescher, G.C. et al. (1989) Immunol. Lett. 23:113.

