

Mouse CD5 Fluorescein-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 53-7.3

Catalog Number: FAB115F

100 TESTS

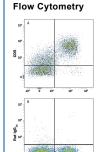
DESCRIPTION		
Species Reactivity	Mouse	
Specificity	Detects mouse CD5 in flow cytometry.	
Source	Monoclonal Rat IgG _{2A} Clone # 53-7.3	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Mouse thymus or spleen	
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)	
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 Shee (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 CD5 in Mouse Splenocytes by Flow Cytometry.

Mouse splenocytes were stained with Rat Anti-Mouse CD3 APCconjugated Monoclonal Antibody (Catalog # FAB4841A) and either
(A) Rat Anti-Mouse CD5 Fluorescein-conjugated Monoclonal
Antibody (Catalog # FAB115F) or (B) Rat IgG_{2A} Fluorescein Isotype
Control (Catalog # IC006F). 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

Mouse CD5 has been shown to react with a mouse monomorphic CD5 (Ly-1), a member of scavenger receptor cysteine-rich protein superfamily (1). CD5 is a membrane glycoprotein found on thymocytes, T cells, and a subset of B cells but not on NK cells (2-6). It is a ligand of the B cell differentiation antigen CD72.

References:

- 1. Ledbetter, J.A. and L.A. Herzenberg, (1979) Immunol. Rev. 47:63.
- Ledbetter, J.A. *et al.* (1980) J. Exp. Med. **152**:280.
 van Ewijk, W. *et al.* (1981) J. Immunol. **127**:2594.
- Van Ewijk, W. et al. (1981) J. Illindriol. 127:2394.
 Hayakawa, K. et al. (1983) J. Exp. Med. 157:202.
- 5. Luo, W. et al. (1992) J. Immunol. 148:1630.
- 6. Lanier, L.L. et al. (1986) J. Immunol. 137:2735.

