

DESCRIPTION

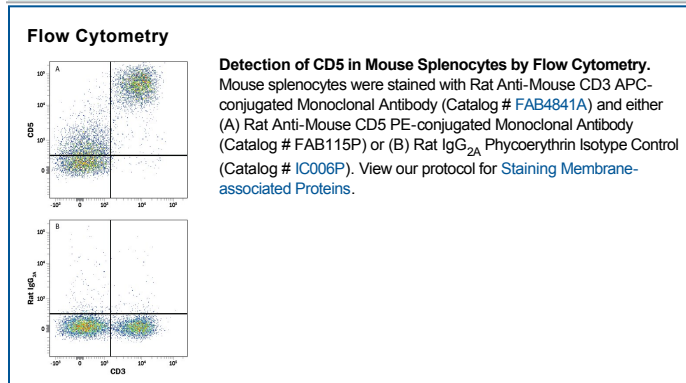
Species Reactivity	Mouse
Specificity	Detects mouse CD5 in flow cytometry.
Source	Monoclonal Rat IgG _{2A} Clone # 53-7.3
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse thymus or spleen
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 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



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.
2. Ledbetter, J.A. *et al.* (1980) *J. Exp. Med.* **152**:280.
3. van Ewijk, W. *et al.* (1981) *J. Immunol.* **127**:2594.
4. 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.