

## DESCRIPTION

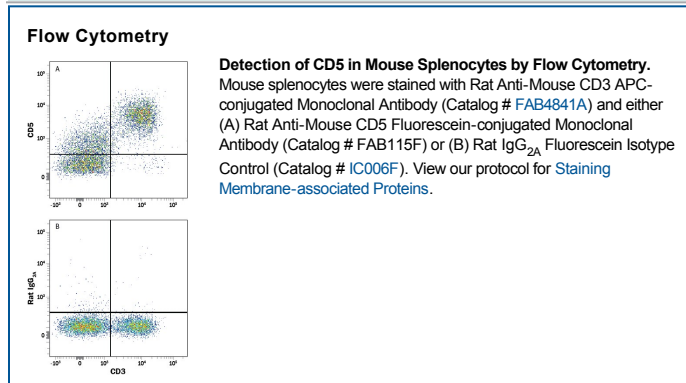
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Mouse  |
| <b>Specificity</b>        | Detects mouse CD5 in flow cytometry.   |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 53-7.3  |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Immunogen</b>          | Mouse thymus or spleen   |
| <b>Conjugate</b>          | Fluorescein<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm (FITC)   |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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    |
|-----------------------|-----------------------------|-----------|
| <b>Flow Cytometry</b> | 10 µL/10 <sup>6</sup> cells | See Below |

## DATA



## PREPARATION AND STORAGE

|                                |   |
|--------------------------------|---|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b><br>● 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.