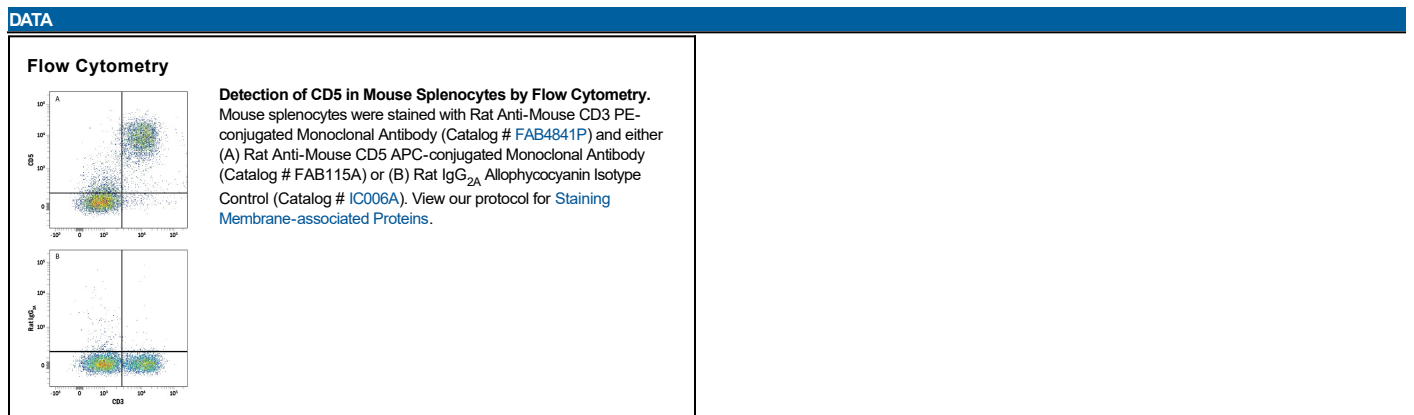


DESCRIPTION	
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CD5 in flow cytometry.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 53-7.3
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse thymus or spleen
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	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		
<b>Please Note:</b> Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below



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> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**BACKGROUND**

Mouse CD5 has been shown to react with a mouse monomorphic CD5 (Ly-1), a Group B member of the scavenger receptor cysteine-rich protein superfamily (1). CD5 is a 67 kDa type I transmembrane glycoprotein found on thymocytes, T cells, and a subset of B cells but not on NK cells (2-6). It is likely a ligand of the B cell differentiation antigen CD72 and is known to associate with CD6 (1). Mouse and human extracellular domains share 55% amino acid sequence identity.

**References:**

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