

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.
<b>Source</b>	Recombinant Monoclonal Rat IgG Clone # 17A2R
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	T cell hybridoma D1
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.

\*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>	0.25-1 µg/10 <sup>6</sup> cells	Mouse splenocytes

## 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

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:

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

## PRODUCT SPECIFIC NOTICES

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