

#### DESCRIPTION

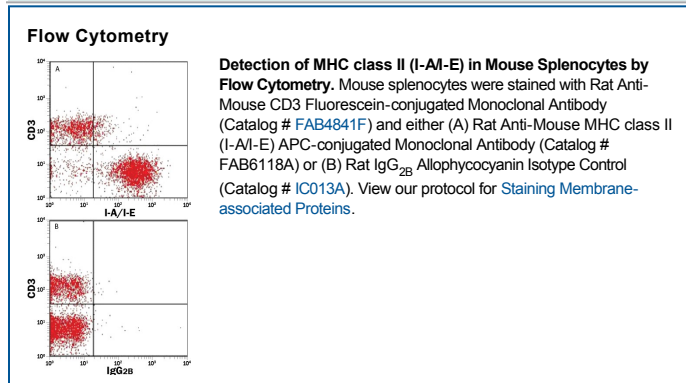
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse MHC class II (I-A/I-E) in flow cytometry.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # M5/114.15.2
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Activated C57BL/6 mouse spleen cells
<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

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> 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

The M5/114.15.2 monoclonal antibody recognizes a homologous region of MHC class II associated I-A and I-E antigens (1). It binds a region shared by I-A<sup>b</sup>, I-A<sup>d</sup>, I-A<sup>g</sup>, I-E<sup>d</sup> and I-E<sup>k</sup> MHC class II antigens, which are expressed on antigen presenting cells (2).

#### References:

1. Bhattacharya, A. *et al.* (1981) J. Immunol. **127**:2448.
2. Watts, C. *et al.* (1997) Ann. Rev. Immunol. **15**:821.