

Mouse MHC class II (I-A/I-E) APC-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # M5/114.15.2

Catalog Number: FAB6118A 100 TESTS

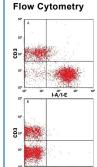
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse MHC class II (I-A/I-E) in flow cytometry.		
Source	Monoclonal Rat IgG _{2B} Clone # M5/114.15.2		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Activated C57BL/6 mouse spleen cells		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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



Detection of MHC class II (I-AI-E) in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Rat Anti-Mouse CD3 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB4841F) and either (A) Rat Anti-Mouse MHC class II (I-AI-E) APC-conjugated Monoclonal Antibody (Catalog # FAB6118A) or (B) Rat IgG₂₈ Allophycocyanin Isotype Control (Catalog # IC013A). View our protocol for Staining Membrane-associated Proteins.

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^b, I-A^d, I-A^d, I-E^d and I-E^k 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.

