

DESCRIPTION

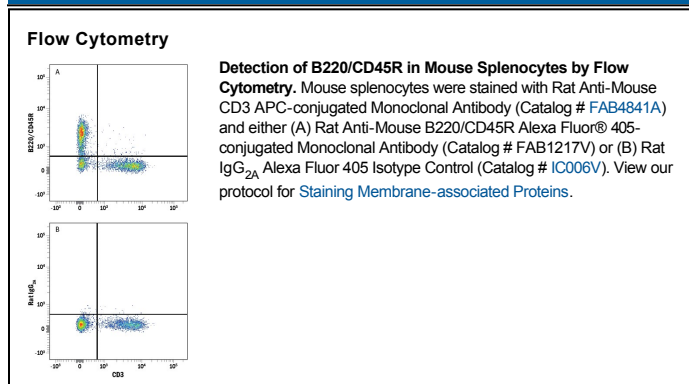
Species Reactivity	Mouse
Specificity	Detects mouse B220/CD45R in flow cytometry.
Source	Monoclonal Rat IgG _{2A} Clone # RA3-6B2
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Abelson mouse leukemia virus-induced pre-B tumor cells
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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	5 µL/10 ⁶ 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

B220 is the mouse CD45 isoform CD45R, which is predominantly expressed on all B lymphocytes, including pro-, mature and activated B cells. The level of B220 antigen expression on cells of the B cell lineage is developmentally regulated, and the antibody described here is commonly used to identify this B cell marker. RA3-6B2 has been reported to inhibit *in vivo* B cell responses. The extracellular region of mouse B220 shares 41% amino acid sequence identity with the extracellular region of human CD45.

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