

#### DESCRIPTION

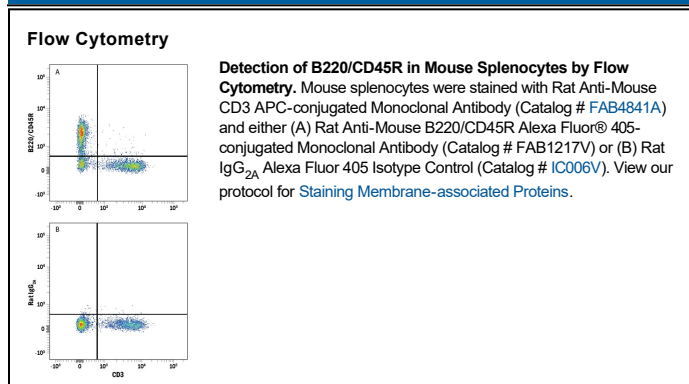
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse B220/CD45R in flow cytometry.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # RA3-6B2
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Abelson mouse leukemia virus-induced pre-B tumor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

#### DATA



#### 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> ● 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.

#### PRODUCT SPECIFIC NOTICES

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