

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse B220/CD45R.
<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 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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
<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

B220 is the mouse CD45 isoform CD45R, which is predominantly expressed on all B lymphocytes, including pro-, mature and activated B cells (1-3). The level of B220 antigen expression on the B cell lineage is developmentally regulated (2-4) and this antibody is commonly used as a B cell marker. RA3-6B2 has been reported to inhibit *in vivo* B cell responses (5, 6).

#### References:

- Coffman, R.L. (1982) *Immuno. Rev.* **69**:5.
- Hardy, R.R. *et al.* (1991) *J. Exp. Med.* **173**:1213.
- Hathcock, K.S. *et al.* (1992) *J. Immunol.* **149**:2286.
- Allman, D.M. *et al.* (1992) *J. Immunol.* **149**:2533.
- Asensi, V.K. *et al.* (1989) *Immunology* **68**:204.
- Domati-Saad, R. *et al.* (1993) *J. Immunol.* **151**:5936.

#### PRODUCT SPECIFIC NOTICES

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