Mouse B220/CD45R Antibody

Monoclonal Rat IgG_{2A} Clone # RA3-6B2

Catalog Number: MAB1217

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse B220/CD45R.
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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

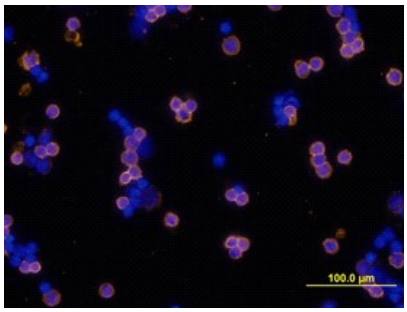
APPLICATIONS

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	2.5 µg/10^6 cells	Mouse splenocytes
Immunocytochemistry	8-25 µg/mL	See Below
Immunoprecipitation	Coffman, R.L. (1982) Immuno. Rev. **69**:5.	

DATA

Immunocytochemistry



B220/CD45R in Mouse Splenocytes. B220/CD45R was detected in immersion fixed mouse splenocytes using Rat Anti-Mouse B220/CD45R Monoclonal Antibody (Catalog # MAB1217) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (yellow; Catalog # NL013) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

B220 (accession # P06800) 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:

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