## PERFORMANCE DATA SHEET <sup>1943</sup> Monoclonal anti-mouse CD45R(B220)



*mAb name/Clone:* **RA3-3A1/6.1** *Isotype:* Rat IgM *Immunogen:* RAW112 cells

## CATALOG#: 720-020 QUANTITY: 100 µg

## **CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Antibody RA3-3A1 binds to an extracellular epitope of B220 (CD45R), the 220 kD variant of the T200, CD45 molecule present on B cells and B cell precursors. CD45R is implicated in a signaling pathway that involves motility and dendrite formation (2).

*References:* 1) Coffman RL, Weissman IL. (1981) Nature 289(5799): 681-683. 2) Partida-Sanchez S, Santos-Argumedo L, et al. (2000) Eur J Immunol 30(9): 2722-2728.

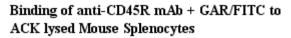
**STORAGE CONDITIONS:** Store at 2 - 5<sup>o</sup>C. Freeze/Thawing is not recommended.

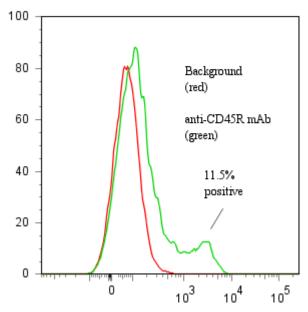
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**PRODUCTION:** Antibody was purified from tissue culture supernatant by size exclusion chromatography. Purity was >90% Immunoglobulin by SDS-PAGE.

**PERFORMANCE:** Reagent was tested for binding to ACK lysed murine splenocytes in FACS. Five x  $10^5$  **splenocytes** per tube were washed and pre incubated with  $20\mu$ l of  $300\mu$ g/ml murine IgG (to reduce non specific binding) after which they were incubated 45 minutes on ice with 80  $\mu$ l of anti-B220 antibody diluted to **10**  $\mu$ g/ml. Cells were washed twice and incubated with  $2^{\circ}$  reagent Goat anti-Rat IgG/FITC, after which they were washed three times, fixed and analyzed by FACS. An 11.3% sub population of the cells stained positive with a mean shift of **1.5**  $\log_{10}$  fluorescent units when compared to background.





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