

## PERFORMANCE DATA SHEET

1943

### 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°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<sup>5</sup> splenocytes per tube were washed and pre incubated with 20µl of 300µg/ml murine IgG (to reduce non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-B220 antibody diluted to 10 µg/ml. Cells were washed twice and incubated with 2<sup>o</sup> 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<sub>10</sub> fluorescent units when compared to background.

*\*For Research use only. Not for use in Diagnostic Procedures.*

**Binding of anti-CD45R mAb + GAR/FITC to ACK lysed Mouse Splenocytes**

