## PERFORMANCE DATA SHEET

1943

## Ancell

## Monoclonal anti-mouse CD45R(B220)

mAb name/Clone: RA3-3A1/6.1

**Isotype:** Rat IgM

Immunogen: RAW112 cells

CATALOG#: 720-820 (Preservative-free)

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  $2 - 5^{\circ}C$ . Freeze/Thawing is not recommended. Open under aseptic conditions.

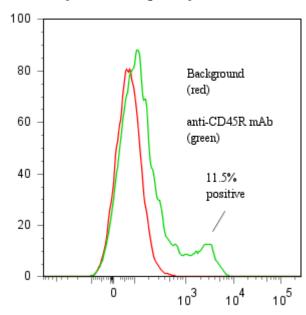
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl

**PRODUCTION:** Antibody was purified from tissue culture supernatant by size exclusion chromatography. Purity was >90% Immunoglobulin by SDS-PAGE. Product was 0.2 µm filtered and vialed under aseptic conditions.

**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.

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



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