

PERFORMANCE DATA SHEET

1943

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°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 vialled under aseptic conditions.

PERFORMANCE: Reagent was tested for binding to ACK lysed murine splenocytes in FACS. Five x 10⁵ 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^o 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 log₁₀ 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

