PERFORMANCE DATA SHEET

2015

Ancell

Monoclonal anti-mouse CD45R(B220)/Biotin*

mAb name/Clone: RA3-3A1/6.1

Isotype: Rat IgM

Immunogen: RAW112 cells

CATALOG#: 720-030 QUANTITY: 100 μg

CONCENTRATION: 1.0mg/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^oC*. Freeze/Thawing is not recommended. Protect from light.

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, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

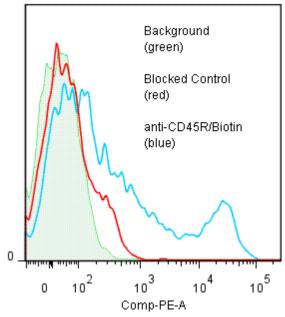
PRODUCTION: Antibody was purified from tissue culture supernatant by size exclusion chromatography and reacted with NHS-Biotin. Unconjugated Biotin was separated from conjugate using a desalting column.

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 20 μ l of 300 μ g/ml Mouse IgG (to block non specific binding), after which they were incubated 45 minutes on ice with 80 μ l of anti-mouse B220/Biotin at a concentration of **10** μ g/ml. Cells were washed twice and incubated with secondary reagent Streptavidin/PE (Cat# 253-030) after which they were washed three times, fixed and analyzed by FACS. A **33%** sub population of the cells stained positive with a mean shift of **2.44** \log_{10} fluorescent units when compared to background. Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-mouse B220 antibody (Catalog #720-020).

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

Binding of anti-CD45R/Biotin +SA/PE to mouse Splenocytes



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