## PERFORMANCE DATA SHEET

1916

## Monoclonal anti-human CD10(CALLA)\*



mAb Name/Clone: SN5c/L4-1A1

Isotype: Mouse IgG1k

Immunogen: Membrane preparation of human B-lineage leukemia cells

CATALOG#: 157-820 (Preservative-free)

QUANTITY: 100 μg CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD10 is a well known marker for common acute lymphoblastic leukemia antigen (CALLA). CD10 is expressed on normal early B cells in bone marrow and is also on fetal thymocytes. CD10 expression is lost as the T and B lineage cells mature and only appears again on activated germinal center B cells. CD10 is present on neutrophils. CD10 is a neutral endopeptidase and hydrolyzes peptide bonds on the amino side of hydrophobic amino acids. Antibody SN5c recognizes the 100 kd membrane-associated peptidase CD10. *References:* H. Matsuzaki, et al, (1987) Cancer Research **47**: 2160-2166. W.C. Biddle, et al, (1989) Leukemia Research **13**: 699-707. H. Hara, et al, (1988) Cancer Research **48**: 4673-4680. Leukocyte Typing V (S.F. Schlossman,et al, eds.) Oxford University Press, Oxford, (1995) p. 505-507.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. **Open under aseptic conditions.** 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:\_\_\_\_\_

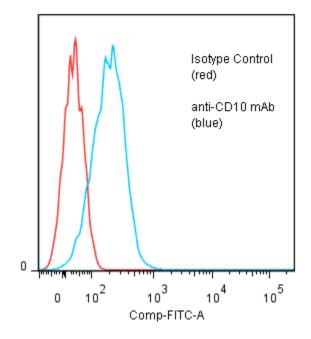
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity

was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was  $0.2~\mu m$  filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  cultured **Raji** cells were incubated 45 minutes on ice with 80  $\mu$ l of anti-CD10 antibody at **10**  $\mu$ g/ml. Cells were washed twice and incubated with  $2^0$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.9**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

Binding of anti-CD10 mAb +GAM/FITC to human Raii cells



<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.

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