

**PERFORMANCE DATA SHEET**

1916

**Monoclonal anti-human CD10(CALLA)\*****mAb Name/Clone:** SN5c/L4-1A1**Isotype:** Mouse IgG1 $\kappa$ **Immunogen:** Membrane preparation of human B-lineage leukemia cells**CATALOG#:** 157-820 (Preservative-free)**QUANTITY:** 100  $\mu$ g**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°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 vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> 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<sup>o</sup> 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<sub>10</sub>** fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

\* **Research Use Only. Not for use in Diagnostic procedures.**

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