## PERFORMANCE DATA SHEET <sup>1818</sup> *Monoclonal* anti-human CD105(Endoglin)\*



mAb Name:SN6Clone:N1-3A1Isotype:Mouse IgG1κImmunogen:Membrane preparation of human B-lineage leukemia cells

## CATALOG#: 326-820 (Preservative-free) QUANTITY: 100 µg

## CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD105 (endoglin) is a homodimeric membrane glycoprotein virtually restricted to endothelial cells, and present on some leukemia cells and minor subsets of bone marrow cells. CD105 binds to TGF- $\beta$ 1 and  $\beta$ 3 with high affinity. Antibody SN6 recognizes human endoglin (CD105) homodimer with a molecular weight of about 160 kd. Antibody SN6 will augment binding of TGF- $\beta$ 1 to CD105 expressing leukemia cells.

*References:* Y. Haruta & B.K. Seon, (1986) Proc Natl Acad Sci USA **83**: 7898-7902. H. Hara, et al, (1988)Cancer Res **48**: 4673-4680. W.C. Biddle, et al, (1989) Leukemia Res **13**: 699-707. S. Cheifetz, et al, (1992) J Biol Chem **267**: 19027-19030. B.K. Seon, et al, (1995) Proc Am Assoc Can Res **36**: 23. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1756-1761, 1762-1764. B.K. Seon, et al (1996) Tissue Antigens **48**: 417.

## **STORAGE CONDITIONS:** Store at 2 - 5°C. Freeze/Thawing is not recommended. Open under aseptic conditions.

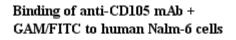
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

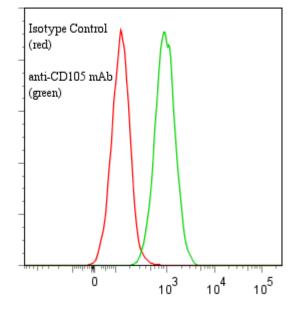
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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  $0.2\mu$  sterile filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  cultured **Nalm-6** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD105 antibody at a concentration of **10 µg/ml**. Cells were washed twice and incubated with  $2^{\circ}$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed using by FACS. Cells stained positive with a mean shift of **0.79**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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





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