PERFORMANCE DATA SHEET

2502

Monoclonal anti-human CD105(Endoglin)/FITC*



mAb Name: SN6 Clone: N1-3A1

Isotype: Mouse IgG1κ

Immunogen: Membrane preparation of human B-lineage leukemia cells

CATALOG#: 326-040
QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

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- β 1 and β 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- β 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^oC*. Freeze/Thawing is not recommended. Protect from light.

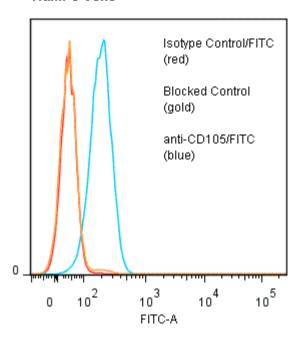
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml** with a fluorescein/antibody molar ratio of 4.9.

PERFORMANCE: Five x 10^5 cultured **Nalm-6** cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD105/FITC at a **1:50** dilution (10μ g/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.78** \log_{10} fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD105 antibody (Catalog #326-020).

Binding of anti-CD105/FITC to human Nalm-6 cells



Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940

^{*} Research Use Only. Not for use in Diagnostic procedures.