

**PERFORMANCE DATA SHEET**

3225

**Monoclonal anti-human CD9\*****mAb Name/Clone:** SN4/C3-3A2**Isotype:** Mouse IgG1 $\kappa$ **Immunogen:** Membrane antigen preparation of NALM-6 (human pre-B leukemia cell line)**CATALOG#:** 156-020**QUANTITY:** 100  $\mu$ g**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD9 is strongly expressed on platelets, on early B cells and on activated T cells. CD9 is a member of the tetraspan family crossing the membrane four times. Both the N-terminal and C-terminal regions are on the cytoplasmic side of the plasma membrane. Recent studies indicate CD9 may be involved with calcium mobilization. Antibody SN4 recognizes the human tetraspan CD9 molecule of about 24 kd.

**References:** Y. Luo, et al, (1989) Cancer Research **49**: 706-710. F. Lanza, et al, (1991) J Biol Chem **266**: 10638-10645. K. Kuroda, et al, (1995) J Immunol **155**: 4427-4436.

**STORAGE CONDITIONS:** Store at 2 - 5°C. *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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**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.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured Nalm-6 cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD9 antibody at 5  $\mu$ 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 1.84 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-CD9 mAb +GAM/FITC to human Nalm-6 cells**