

PERFORMANCE DATA SHEET
2025

Monoclonal anti-human CD9/FITC*

mAb/Clone Name: SN4/C3-3A2

Isotype: Mouse IgG1 κ

Immunogen: Membrane antigen preparation of NALM-6 (human pre-B leukemia cells)

CATALOG#: 156-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6 μ l of concentrated stock per 5 x 10⁵-cell test)

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: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to 95% Immunoglobulin by SDS-PAGE, and reacted with FITC. Unconjugated FITC was removed from conjugate using a desalting column. Antibody conjugate is at **0.25 mg/ml** with a Fluorescein/IgG molar ratio of 7.2.

PERFORMANCE: Five x 10⁵ cultured **Nalm-6** cells were washed and incubated 45 minutes on ice with 80 μ l of product at a **1:50** dilution (5 μ g/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.17 log₁₀** fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. Binding was blocked when pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD9 antibody (Catalog #156-020).

**Research use only. Not for use in Diagnostic procedures.*

Binding of anti-CD9/FITC to human Nalm-6 cells

