

PERFORMANCE DATA SHEET

2134

Monoclonal anti-human CD49b (VLA-2)/FITC*

mAb name/Clone: HAS6

Isotype: Mouse IgG2ak

Immunogen: Human cultured keratinocytes

CATALOG#: 155-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6ul of concentrated stock per 5×10^5 -cell test)

INFORMATION: Human CD49b is an integrin alpha 2 subunit that forms a heterodimer with beta 1 integrin and functions as an adhesion molecule. Antibody HAS6 recognizes the alpha 2 integrin subunit.

References: M.L. Tenchini, et al, (1993) Cell Adhesion and Comm 1: 55-66. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1615-1616.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended. Protect from light.

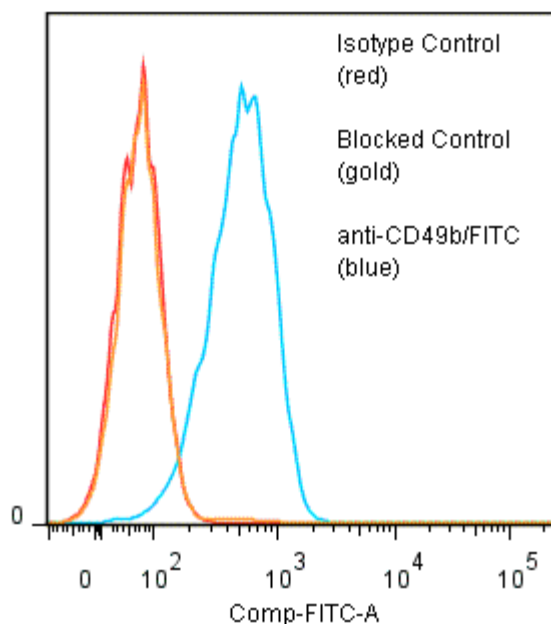
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 6.2.

PERFORMANCE: Five $\times 10^5$ cultured UM-SCC (squamous cell carcinoma) cells were harvested by trypsinization, washed and preincubated 5 minutes with 20 μ l of 250 μ g/ml human IgG (To block nonspecific binding), after which they were incubated 45 minutes on ice with 80 μ l of anti-CD49b/FITC at a 1:50 dilution (5 ug/ml). Cells were washed three times, fixed and analyzed by FACs. Cells stained positive with a mean shift of 0.92 log₁₀ fluorescent units when compared to a Mouse IgG2a/FITC negative control (Catalog # 281-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD49b antibody (Catalog #155-020).

Binding of anti-CD49b/FITC to human UM-SCC cells



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