## PERFORMANCE DATA SHEET

1816

## Monoclonal anti-human CD49b (VLA-2)\*



*mAb name/Clone:* HAS6 *Isotype:* Mouse IgG2aκ

Immunogen: Human cultured keratinocytes

CATALOG#: 155-820 (Preservative Free)

QUANTITY: 100 μg CONCENTRATION: 1.0 mg/ml

**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<sup>o</sup>C*. **Open under aseptic conditions.** Freeze/Thawing is not recommended.

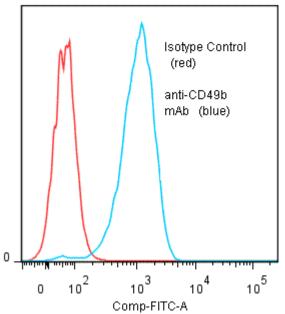
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

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

**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 µm filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **UM-SCC** (squamous cell carcinoma) cells were harvested by trypsinization, washed and preincubated 5 minutes with 20 μl of 250 μg/ml human IgG (To block nonspecific binding), after which they were incubated 45 minutes on ice with 80 μl of anti-CD49b antibody at **10** μg/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 **1.29** log<sub>10</sub> fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010) at a similar concentration.

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



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