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.

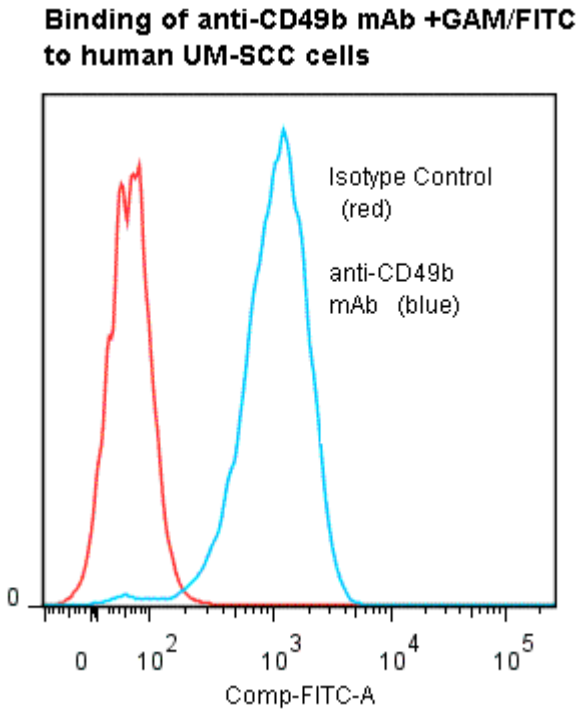
STORAGE CONDITIONS: ***Store at 2 - 5°C.*** **Open under aseptic conditions.** Freeze/Thawing is not recommended.

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 10^5 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° 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** $\log_{10}$ fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010).



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