

PERFORMANCE DATA SHEET

1816

Monoclonal anti-human CD49b (VLA-2)***mAb name/Clone:** HAS6**Isotype:** Mouse IgG2ak**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 vialled under aseptic conditions.**PERFORMANCE:** Five x 10⁵ 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^o 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 log₁₀ fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010) at a similar concentration.** Research Use Only. Not for use in Diagnostic procedures.***Binding of anti-CD49b mAb +GAM/FITC to human UM-SCC cells**