PERFORMANCE DATA SHEET
3326

Monoclonal anti-human CD49b (VLA-2)/R-PE*

mAb name/Clone: **HAS6**
Isotype: Mouse IgG2aκ
Immunogen: Human cultured keratinocytes

CATALOG#: 155-050
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2 ml**
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 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.

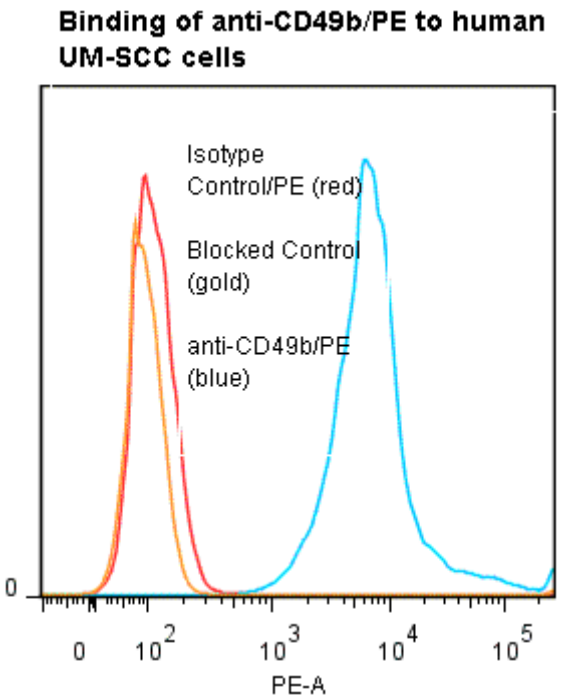
STORAGE CONDITIONS: ***Store at 2 - 5°C.*** **Do not freeze! Protect from light.**

PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an A_{565}/A_{280} ratio of 2.35.

PERFORMANCE: Five x 10^5 cultured **UM-SCC** (squamous cell carcinoma) cells were harvested by trypsinization, washed and pre incubated 5 minutes with 20 µl of 250µg/ml human IgG (to block nonspecific binding), after which they were incubated 45 minutes on ice with 80 µl of anti-CD49b/R-PE at a **1:50** dilution. Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.04** $\log_{10}$ fluorescent units when compared to a Mouse IgG2a/R-PE negative control (Catalog # 281-050). Binding was blocked when pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD49b antibody (Catalog #155-020).



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