

PERFORMANCE DATA SHEET

3326

Monoclonal anti-CD104 (β4 Integrin) (Human)*

Clone: UMA9

Isotype: Mouse IgG2a

Immunogen: UM-SCC-1, human squamous cell carcinoma

CATALOG#: 325-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Antibody UMA9 recognizes the 220 kd (non-reduced) CD104 adhesion molecule and partially blocks binding to laminin.

Reference: K.A. Kimmel and T.E. Carey, Cancer Res (1986) 46: 3614-3623. C. VanWaes, et al, Cancer Res (1991) 51: 2395-2402. *Leukocyte Typing V* (1995) S.F. Schlossman, et al, (eds.), Oxford University Press, NY. p. 1655-1663, 1667-1668.

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

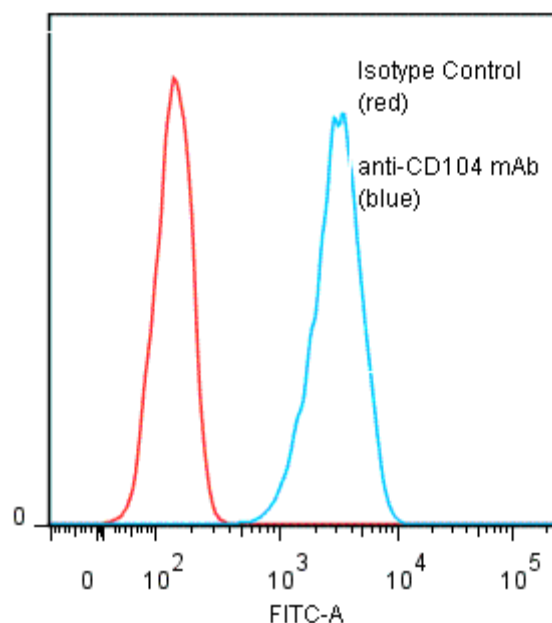
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 0.2u sterile filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured UM-SCC (Squamous Cell Carcinoma) cells were harvested by trypsinization. Five x 10⁵ cells per tube were washed and pre incubated 5 minutes with 20 µl of 250 µg/ml of human IgG after which they were incubated 45 minutes on ice with 80 µl of anti-CD104 antibody at a concentration of 5 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 and fixed. Cells stained positive with a mean shift of 1.34 log₁₀ fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010).

Binding of anti-CD104 mAb +GAM/FITC to human UM-SCC cells



**Research use only. Not for use in Diagnostic procedures.*