

PERFORMANCE DATA SHEET

1818

Monoclonal anti-CD104 (β 4 Integrin) (Human)*

Clone: UMA9

Isotype: Mouse IgG2a

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

CATALOG#: 325-020

QUANTITY: 100 μ g

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.

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

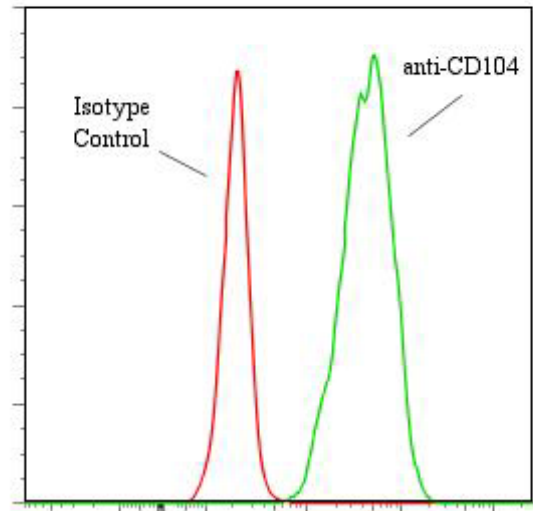
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PURITY: >95% Immunoglobulin by SDS-PAGE. Product contains less than 1% Bovine Immunoglobulin.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant.

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 μ l of 250 μ g/ml of human IgG after which they were incubated 45 minutes on ice with 80 μ l of anti-CD104 antibody at a concentration of 10 μ g/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 1.78 log₁₀ fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010) at a similar concentration.

Binding of anti-CD104 Ab + GAM/FITC to cultured human Squamous Cell Carcinoma line



**This Product is intended for Laboratory Research use only.*