PERFORMANCE DATA SHEET
1818

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.***

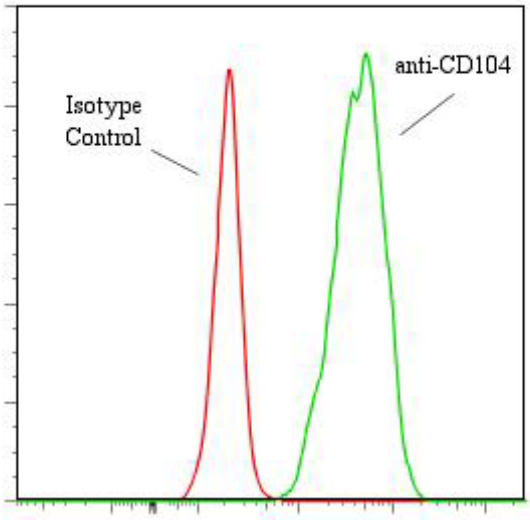
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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 0.2□ sterile filtered and vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 cultured **UM-SCC** (Squamous Cell Carcinoma) cells were harvested by trypsinization. Five x 10^5 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 **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 and fixed. Cells stained positive with a mean shift of **1.78** $\log_{10}$ 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.***

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