PERFORMANCE DATA SHEET ¹⁸¹⁷ *Monoclonal* anti-human CD51 (alpha v integrin)*

mAb name/Clone: **P2W7R** *Isotype:* Mouse IgG1κ *Immunogen:* Human ocular melanoma cell line (V+B2)

CATALOG#: 202-820 (Preservative-free) QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD51 is an integrin alpha v chain which can associate with five different integrin beta chains to form various adhesion molecules. The alpha v beta 3 integrin complex binds vitronectin at the RGD sequence and also can bind to fibrinogen, von Willebrand factor, thrombospondin, fibronectin, osteopontin and collagen. Antibody P2W7 recognizes the alpha v molecule of 160 kd.

References: R.O. Hynes (1992) Cell 69: 11-25. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1663-1664.

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

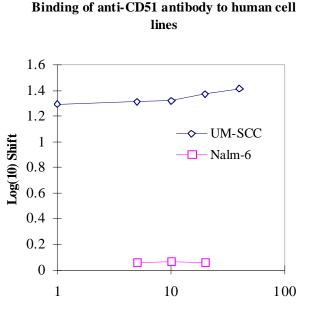
PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 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 vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 cultured **UM-SCC** (squamous cell carcinoma) per tube were harvested by trypsinization, washed and pre incubated 5 minutes with 20µl of 250µg/ml human IgG (to block nonspecific binding), after which they were incubated 45 minutes on ice with 80 µl of anti-CD51 antibody at **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, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.32** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) at a similar concentration.

*This Product is intended for Laboratory Research use only.



Dilution Factor

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