## PERFORMANCE DATA SHEET <sup>1817</sup> *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<sup>o</sup>C*. **Open under aseptic conditions.** Freeze/Thawing is not recommended.

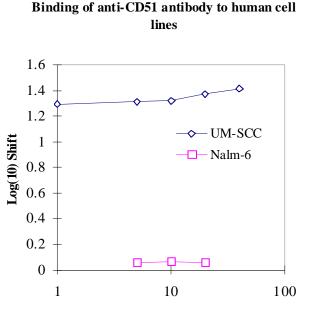
**PRODUCT STABILITY:** Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

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  $2^\circ$  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** log<sub>10</sub> 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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