## PERFORMANCE DATA SHEET

2046

## Monoclonal anti-human CD49f(VLA-6)\*



*mAb name/Clone:* BQ16 *Isotype:* Mouse IgG1

Immunogen: UM-UC-9, human bladder cancer cells

CATALOG#: 356-820 (Preservative Free)

QUANTITY: 100 μg CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD49f molecules are integrin  $\alpha$ 6 chains that are expressed as heterodimers with CD29 ( $\beta$ 1 integrin) or CD104 ( $\beta$ 4 integrin) and function as adhesion receptors. CD49f is expressed on platelets, monocytes, T lymphocytes and thymocytes. The ligands for CD49f/CD29 include laminin and invasion. CD49f/CD29 has been shown to associate with CD63.

*References:* M. Liebert, et al, (1993) Hybridoma 12: 67-80. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1619-1620. F. Berditchevski, et al, (1995) J Biol Chem 270: 17784-17790.

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

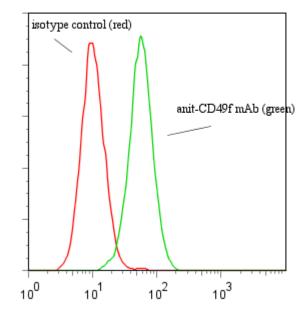
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

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 µm filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  cultured **Raji** human tumor cells were washed and incubated 45 minutes on ice with 80 ml of anti-CD49f antibody at **10 µg/ml**. Cells were washed twice and incubated with  $2^0$  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 **0.78**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

## Binding of anti-CD49f mAb +GAM/FITC to human Raji cells



<sup>\*</sup> Research use only. Not for use in Diagnostic procedures.