## PERFORMANCE DATA SHEET

2504

## Ancell

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

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

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

**CATALOG#: 356-030 QUANTITY: 100 μg** 

CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Antibody BQ16 recognizes the 150 kd (non-reduced) CD49f adhesion molecule. *Reference:* M. Liebert, et al, Hybridoma (1993) *12*: 67-80. *Leukocyte Typing V* (1995) S.F. Schlossman, et al, (eds.), Oxford University Press, NY. p. 1619-1620.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. Freeze/thawing not recommended.

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

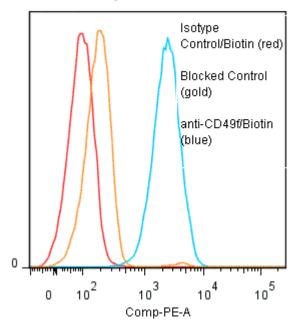
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

**PERFORMANCE:** Five x  $10^5$  cultured **Raji** cells were washed and incubated 45 minutes on ice with 80 μl of anti-CD49f/Biotin at **5 μg/ml**. Cells were washed twice and incubated 45 minutes with  $2^0$  reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.39** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog # 278-030) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μl of 0.5 mg/ml anti-CD49f antibody (Catalog #356-020).

\*Research use only. Not for use in Diagnostic procedures.

## Binding of anti-CD49f/Biotin +SA/PE to human Raji cells



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