

PERFORMANCE DATA SHEET

2504

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°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% NaN₃ (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 10⁵ 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^o 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 log₁₀ 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

