PERFORMANCE DATA SHEET
1818

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.

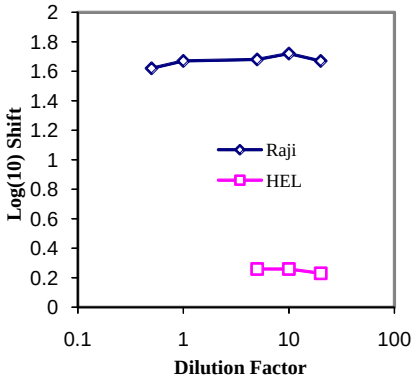
PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (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 **10 µg/ml**. Cells were washed twice and incubated 45 minutes with 2° 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 **1.72** $\log_{10}$ 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).

Binding of anti-CD49f/Biotin to human cell lines



****This Product is intended for Laboratory Research use only.***

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