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#: 356-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD49f molecules are integrin α6 chains that are expressed as heterodimers with CD29 (β1 integrin) or CD104 (β4 integrin) and function as adhesion receptors. CD49f is expressed on platelets, monocytes, T lymphocytes and thymoctyes. 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°C***. Freeze/Thawing is not recommended.

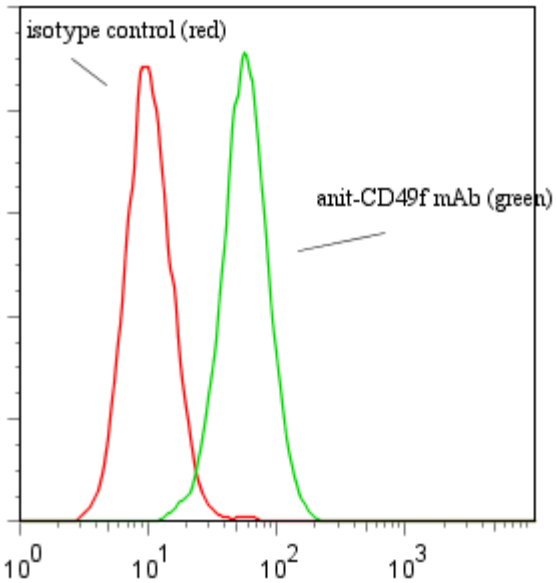
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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.

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° 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



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Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA
Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940