

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°C. Open under aseptic conditions. Freeze/Thawing is not recommended.

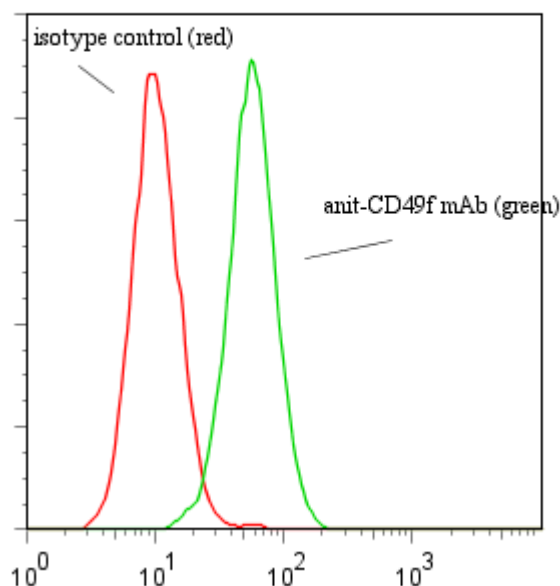
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ 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^o 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 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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



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