

PERFORMANCE DATA SHEET

1817

*Monoclonal anti-human CD59 (Protectin)**

mAb name/Clone: BRA-10G

Isotype: Mouse IgG1 κ

Immunogen: Human K562 tumor cells

CATALOG#: 211-820 (Preservative-free)

QUANTITY: 100 μ g

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD59 is a GPI anchored molecule that protects cells from complement-mediated lysis (1). Studies are progressing to determine the regulatory mechanism for CD59 expression (2). Antibody BRA-10G reacts with the 18-22 kd CD59 molecule.

References: (1) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1476-1477. (2) M.H. Holguin, et al, (1996) J Immunol 157: 1659-1668.

STORAGE CONDITIONS: *Store at 2 - 5°C.* Freeze/Thawing is not recommended. **Open under aseptic conditions.**

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 μ m filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured human HPB-MLT cells were incubated 45 minutes on ice with 80 μ l of anti-CD59 antibody at 5 μ g/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 2.04 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

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

Binding of anti-CD59 mAb + GAM/FITC to human HPB-MLT cells

