

## PERFORMANCE DATA SHEET

1817

### *Monoclonal anti-human CD59 (Protectin)\**

**mAb name/Clone:** BRA-10G

**Isotype:** Mouse IgG1 $\kappa$

**Immunogen:** Human K562 tumor cells

**CATALOG#:** 211-020

**QUANTITY:** 100  $\mu$ 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.

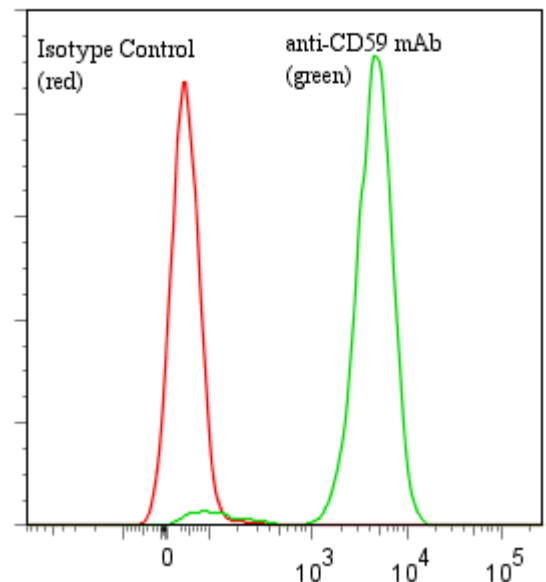
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**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 with less than 1% Bovine Immunoglobulin.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human HPB-MLT cells were incubated 45 minutes on ice with 80  $\mu$ l of anti-CD59 antibody at 5  $\mu$ g/ml. Cells were washed twice and incubated with 2<sup>o</sup> 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 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

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



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

**Ancell Corporation P.O. Box 87 243 Third Street North Bayport, MN 55003-0087 USA**  
**Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940**