PERFORMANCE DATA SHEET
2521

Monoclonal anti-human CD59 (Protectin)/R-PE*

mAb name/Clone: BRA-10G
Isotype: Mouse IgG1κ
Immunogen: Human K562 tumor cells

CATALOG#: 211-050
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2 ml**
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10^5-cell test)

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***. **Do not freeze! Protect from light**.

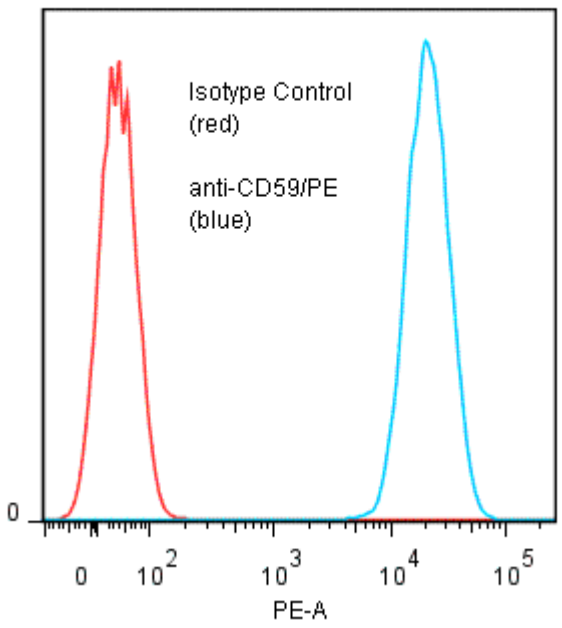
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an A_{565}/A_{280} ratio of 2.62.

PERFORMANCE: Five x 10^5 cultured **HPB-MLT** cells were washed and pre incubated 5 minutes with 20µl of 250µg/ml human IgG (to block nonspecific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD59/R-PE at a dilution factor of **1:50** (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.81** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050). Binding was blocked when cells were pre incubated 10 minutes with unlabeled anti-CD59 antibody (Catalog #211-020).

Binding of anti-CD59/PE to cultured human HPB-MLT cells



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

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