## PERFORMANCE DATA SHEET

1817

## Monoclonal anti-human CD39\*

*mAb name/Clone:* BU61 *Isotype:* Mouse IgG1

Immunogen: Human WM-1 (Waldenström's macroglobulinemia) cell line

**CATALOG#: 188-020 QUANTITY: 100 μg** 

CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD39 is found on most mature B cells, activated NK cells and activated T cells. CD39 has homology to the N- myc family of proteins and has been cloned. Antibody BU61 recognizes the CD39 molecule of approximately 80 kd.

**References:** J.R. Voland, et al, (1992) Proc Natl Acad Sci USA **89:** 10425-10429. C.R. Maliszewski, et al, (1994) J Immunol **153:** 3574-3583. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 383-385.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>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:\_\_\_\_\_

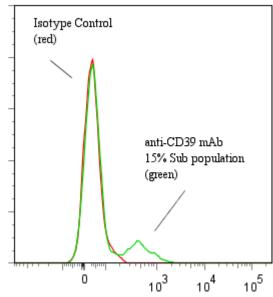
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**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<sup>5</sup> ficoll prepared human **peripheral blood mononuclear cells** were washed and pre

incubated ~5 minutes with 20µl of 300 µg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD39 at **5 µg/ml**. Cells were washed twice and incubated with  $2^{0}$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. A **15%** sub population of the cells stained positive with a mean shift of **1.25**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

Binding of anti-CD39 mAb +GAM/FITC to human PBMC



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