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#: 188-820 (Preservative Free) **LOT#:**
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°C.*** **Open under aseptic conditions.** Freeze/Thawing is not recommended.

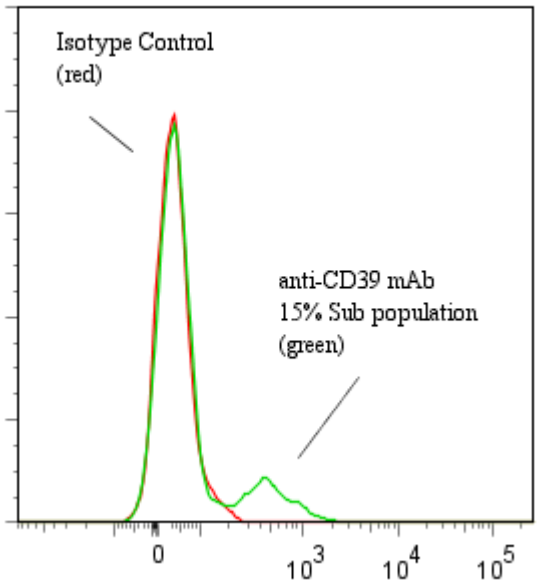
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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 vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 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° 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).

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



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