PERFORMANCE DATA SHEET
2519

Monoclonal anti-human CD21 (CR2)*

mAb name/Clone: **BU33**
Isotype: Mouse IgG1
Immunogen: Human HFB-1 cell line

CATALOG#: 170-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD21 is a receptor for complement fragments C3d, C3dg or ic3D and also EBV. CD21 is also a ligand for CD23 and plays a role in IgE synthesis. Antibody BU33 recognizes the CD21 molecule of about 145 kd.Antibody BU33 inhibits binding to CD23.

References: Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 516-523. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 535-538. J.Y. Bonnefoy, et al, (1995) Intl Archiv Allergy Immunol **107:** 40-42. A.D. Beaulieu, et al, (1995) Blood **86:** 2789-2798. H. Molina, et al, (1995) J Immunol **154:** 5426-5435.

STORAGE CONDITIONS: ***Store at 2 - 5^{o}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:_____

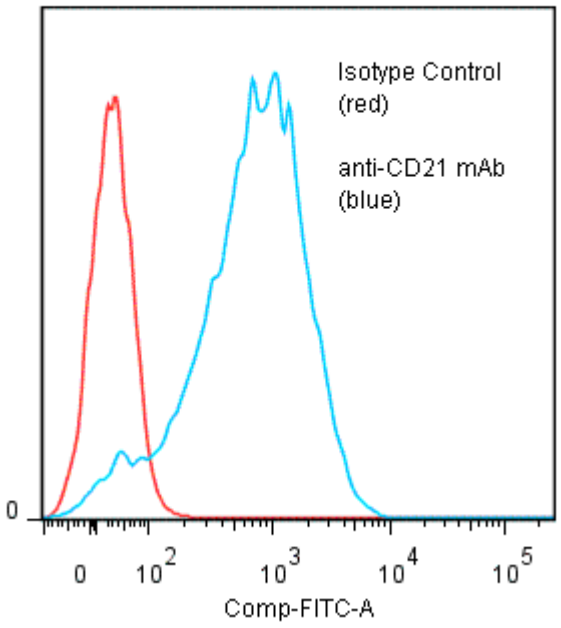
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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 10^5 cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD21 antibody at **20 µg/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 **1.47** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

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

Binding of anti-CD21 mAb +GAM/FITC to human HPB-MLT cells



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