3313



## Monoclonal anti-human CD21(CR2)/FITC\*

*mAb name/Clone:* BU33 *Isotype:* Mouse IgG1

Immunogen: Human HFB-1 cell line

CATALOG#: 170-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

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

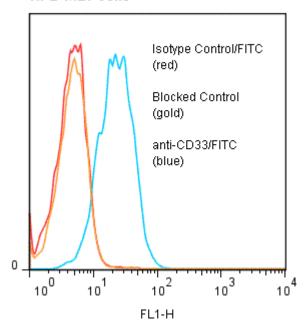
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 6.1.

**PERFORMANCE:** Five x  $10^5$  cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD21/FITC at a **1:50** dilution factor ( $10\mu g/ml$ ). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.7**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog # 278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20  $\mu$ l of 0.5 mg/ml anti-CD21 antibody (Catalog #170-020).

## Binding of anti-CD21/FITC to human HPB-MLT cells



<sup>\*</sup> Research use only. Not for use in Diagnostic procedures.