

PERFORMANCE DATA SHEET

2629

Monoclonal anti-human CD21(CR2)/R-PE *

mAb name/Clone: BU33

Isotype: Mouse IgG1

Immunogen: Human HFB-1 cell line

CATALOG#: 170-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-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, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (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 OD₅₆₅/OD₂₈₀ ratio of 2.6.

PERFORMANCE: Five x 10⁵ cultured **HPB-MLT** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD21/R-PE at a **1:50** dilution (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.75 log₁₀** fluorescent units when compared to a Mouse IgG1/R-PE isotype control (Catalog #278-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD21 antibody (Catalog #170-020).

* *Research Use Only. Not for use in Diagnostic procedures .*

Binding of anti-CD21/PE to human HPB-MLT cells

