

PERFORMANCE DATA SHEET

1818

Monoclonal anti-human bcl-2/R-PE *

mAb name/Clone: Bcl-2/100

Isotype: Mouse IgG1

Immunogen: Human bcl-2 peptide 41-54

CATALOG#: 357-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml

WORKING DILUTION: 1:50 (or use 1.6ul of concentrated stock per 5×10^5 -cell test)

INFORMATION: The human bcl-2 gene family plays a central role in lymphoid system cell survival. Continuous expression of bcl-2 protein is critical for preventing apoptosis of mature peripheral B and T cells. Antibody Bcl-2/100 recognizes the intracellular 26 kd bcl-2 protein.

References: F. Pezzella, et al, (1990) Am J Pathol **137**: 225-232. I.A. Doussis, et al, (1993) Am J Clin Pathol **99**: 663-667. S. Cory, (1995) Annu Rev Immunol **13**: 513-543.

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**.

PERFORMANCE: Cultured **Nalm-6** human tumor cells were fixed for 20 min with 0.5% freshly prepared buffered formaldehyde after which they were washed two times. Subsequent reagent incubations and washes were done at room temperature on a shaker platform using a buffer containing **0.5% Tween-20** to permeabilize cells. Five x 10⁵ cells per tube were incubated 45 minutes with 80 µl of anti-bcl-2/R-PE at a **1:50** dilution (10µg/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.78** log₁₀ fluorescent units when compared to a tube where cells were pre blocked with 20 µl of 0.5 mg/ml anti-bcl-2 antibody (Catalog #357-020).

***This Product is intended for Laboratory Research use only.** R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.