

PERFORMANCE DATA SHEET

1823

*Monoclonal anti-human bcl-2/Biotin**

mAb name/Clone: Bcl-2/100

Isotype: Mouse IgG1

Immunogen: Human bcl-2 peptide 41-54

CATALOG#: 357-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

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.* Freeze/thawing 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, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed using a desalting column.

PERFORMANCE: Cultured **Nalm-6** human tumor cells were fixed for 30 min with 2% buffered formaldehyde after which they were washed two times. Subsequent reagent incubations and wash steps were done using a buffer containing **0.3% Saponin** to permeabilize cells. Five x 10⁵ cells per tube were incubated 45 minutes on ice with 80 µl of anti-bcl-2/Biotin at **5 µg/ml**. The cells were then washed twice and incubated with 2^o reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.44 log₁₀** fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) at a similar concentration. This shift was blocked when permeabilized cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml unlabeled anti-bcl-2 antibody (Catalog #357-020).

**This Product is intended for Laboratory Research use only.*

