

Monoclonal anti-human bcl-2*

mAb name/Clone: Bcl-2/100

Isotype: Mouse IgG1

Immunogen: Human bcl-2 peptide 41-54

CATALOG#: 357-820 (Preservative Free)

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. *Open under aseptic conditions.* 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.

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. Product was 0.2 µm filtered and vialled under aseptic conditions.

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 washes were done using a buffer containing **0.3% Saponin** to permeabilize cells. Five x 10⁵ cells per tube were preincubated ~5 minutes with 20µl of 250 µg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80µl of anti-bcl-2 antibody at **5 µg/ml**. Cells were then 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 with a mean shift of **0.82 log₁₀** 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-bcl-2 mAb to human fixed permeabilized Nalm-6 cells with GAM/FITC

