2539



## Monoclonal anti-human bcl-2\*

mAb name/Clone: Bcl-2/100

Isotype: Mouse IgG1

Immunogen: Human bcl-2 peptide 41-54

CATALOG#: 357-020 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<sup>o</sup>C*. 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:\_\_\_\_\_

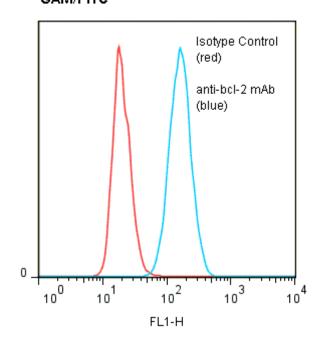
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**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.

**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 permeabolize cells. Five x  $10^5$  cells per tube were preincubated 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  $2^0$  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**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) at a similar concentration.

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

## Binding of anti-bcl-2 mAb to human fixed permeabolized Nalm-6 cells with GAM/FITC



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