

PERFORMANCE DATA SHEET

1126

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

mAb name/Clone: Bcl-2/100

Isotype: Mouse IgG1

Immunogen: Human bcl-2 peptide 41-54

CATALOG#: 357-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl 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. Freeze/Thawing is not recommended. 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, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant and reacted with Fluorescein. Unconjugated Fluorescein was removed from conjugate using a desalting column. Antibody conjugate is at **0.25 mg/ml** with a Fluorescein/Antibody molar ratio of 10.3.

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 incubated 45 minutes on ice with 80 µl of anti-bcl-2/FITC at a dilution of **1:50** (5µg/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.09** log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog # 278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-bcl-2 antibody (Catalog #357-020).

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