



Product Information Sheet

**Monoclonal Anti-Bcl-2**

**Catalogue No.** MA1004

**Lot No.** 08A12

**Clone:** BL-2

**Ig type:** mouse IgG1

**Size:** 100µg/vial

**Specificity**

Human.

No cross reactivity with other proteins.

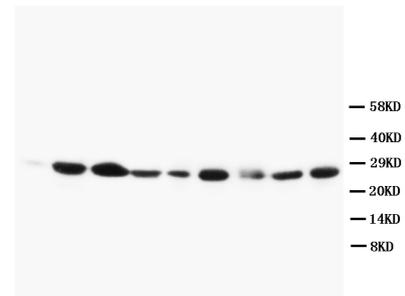
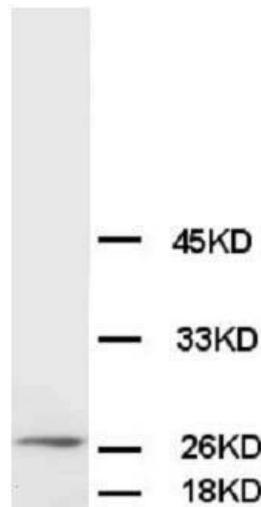
**Recommended application**

*Western blot*

*Immunohistochemistry(P)*

*Immunohistochemistry(F)*

*Immunocytochemistry*



Lane 1 : Rat Thymus tissue Lysate  
Lane 2 : Rat spleen tissue Lysate  
Lane 3 : Rat small intestine tissue Lysate  
Lane 4 : Rat liver tissue Lysate  
Lane 5 : MCF-7 Whole Cell Lysate  
Lane 6 : HeLa Whole Cell Lysate  
Lane 7 : SMMC Whole Cell Lysate  
Lane 8 : Jurkat Whole Cell Lysate  
Lane 9 : HT1080 Whole Cell Lysate

**Immunogen**

Synthetic peptide corresponding to residues 41-54 of the bcl-2 protein, conjugated to thyroglobulin.

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Application**

*Western blot*

At 1-2µg/ml with the appropriate system to detect BCL-2 in cells and tissues.

*Immunohistochemistry(P)*

At 0.4-1µg/ml to detect BCL-2 in formalin fixed and paraffin embedded tissues.

*Immunohistochemistry(F)*

At 0.4-1µg/ml to detect BCL-2 in formalin/acetone fixed tissues.

*Immunocytochemistry*

Suitable

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

To reorder contact us at:

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

**Formulation**

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN<sub>3</sub> as preservative.

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.**

**Reconstitution**

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

**BACKGROUND**

Immunoreactive BCL2 protein in the neoplastic cells of almost all follicular lymphomas whereas no BCL2 protein was detected in follicles affected by nonneoplastic processes or in normal lymphoid tissue. Every tumor with molecular-genetic evidence of t(14;18) translocation expressed detectable levels of BCL2 protein, regardless of whether the breakpoint was located in or at a distance from the BCL2 gene. Overexpression of BCL2 blocks the apoptotic death of a pro-B-lymphocyte cell line.

**REFERENCE**

1. Ngan, B.-Y.; Chen-Levy, Z.; Weiss, L. M.; Warnke, R. A.; Cleary, M. L. : Expression in non-Hodgkin's lymphoma of the BCL-2 protein associated with the t(14;18) chromosomal translocation. *New Eng. J. Med.* 318: 1638-1644, 1988.
2. Hockenbery, D.; Nunez, G.; Milliman, C.; Schreiber, R. D.; Korsmeyer, S. J. : Bcl-2 is an inner mitochondrial membrane protein that blocks programmed cell death. *Nature* 348: 334-336, 1990