



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)

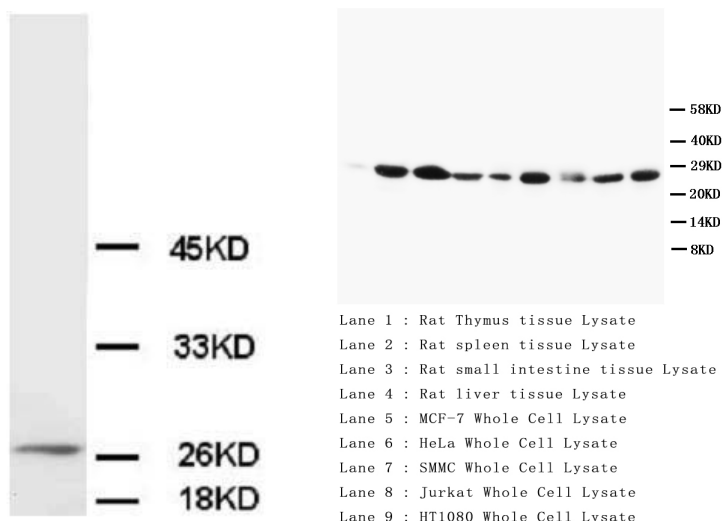
Immunocytochemistry

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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.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ 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