

Monoclonal Antibody Anti-Bcl-2

PN IM2207 – Liquid 0.1 mL – 0.1 mg – Clone 83-8B

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY

The t(14; 18) translocation, which is a hallmark of human follicular lymphoma, generally involves the immunoglobulin heavy chain gene on chromosome 14 and the bcl-2 gene on chromosome 18 (1). This translocation results in over expression of the bcl-2 gene product (bcl-2), promoting cell survival by blocking programmed cell death induced by different apoptotic stimuli (2).

Bcl-2 is a 25 kDa protein that has extensive amino acid homology with Bax. It forms homodimer or heterodimers with Bax and the apoptotic activity depends on the balance of both molecules (3, 4).

The 83-8B monoclonal antibody reacts with rat and human Bcl-2.

REAGENT

Monoclonal Antibody Anti-Bcl-2
PN IM2207 – Liquid 0.1 mL– 0.1 mg.

Clone	83-8B
Ig Chain	IgG1
Species	Mouse
Hybridoma	PA1 x Balb/c
Immunogen	Recombinant rat Bcl-2
Source	Ascites fluid
Purification	Affinity chromatography on protein A

APPLICATION

Immunohistochemistry
Flow cytometry analysis on
permeabilized cells.

REAGENT CONTENTS

This antibody is provided in phosphate-buffered saline (PBS), containing 50% glycerol.

STATEMENT OF WARNINGS

1. This reagent contains 50% glycerol. Glycerol is irritating for eyes and skin. Wear suitable protective clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
2. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes
4. Do not use antibody beyond the expiration date on the label.
5. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This antibody is provided in liquid form and must be stored at -20°C until the expiration date stated on the vial label. No preservative has been added.

REAGENT PREPARATION

Aliquotting is suggested to avoid multiple freeze-thaw cycles. To prepare the working solution (1 to 2 µg/mL), dilute the monoclonal antibody in PBS containing 1% BSA.

PROCEDURE

For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

SELECTED RESEARCH REFERENCES

1. Tsujimoto, Y., Cossman, J., Jaffe, E., Croce, C.M., "Involvement of the bcl-2 gene in human follicular lymphoma", 1985, Science, 228, 1440-1443.
2. Vaux, D.L., Cory, S., Adams, J.M., "Bcl-2 gene promotes haemopoietic cell survival and cooperates with c-myc to immortalize pre-B cells", 1988, Nature, 335, 440-442.
3. Oltvai, Z.N., Milliman, C.L., Korsmeyer, S.J., "Bcl-2 heterodimerizes in vivo with a conserved homolog, Bax, that accelerates programmed cell death", 1993, Cell, 74, 609-619.
4. Cory, S., "Regulation of lymphocyte survival by the Bcl-2 gene family", 1995, Annu. Rev. Immunol., 13, 513-543.

PRODUCT AVAILABILITY

Monoclonal Antibody Anti-Bcl-2
PN IM2207 – Liquid 0.1 mL– 0.1 mg.

For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

TRADEMARKS

Beckman Coulter and the Beckman Coulter logo are trademarks of Beckman Coulter, Inc.

Manufactured for:
Immunotech, a Beckman Coulter Company
130, avenue de Lattre de Tassigny, B.P. 177
13276 Marseille Cedex 9, France

©2006 Beckman Coulter, Inc.
All Rights Reserved

