



CELL LAB Mouse Anti-Human Bcl-x_L

Cat. No.	Form	Quantity
731720	Purified (UNLB) Antibody	0.1 mg
731721	Fluorescein (FITC) Conjugate	0.1 mg
731722	Biotin (BIOT) Conjugate	0.1 mg
731723	Phycoerythrin (PE) Conjugate	0.1 mg

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

DESCRIPTION

Clone: 7B2.5
Immunogen: Recombinant Bcl-x_S
Isotype: Mouse IgG3
Specificity: Human Bcl-x_L (Mr 29 kDa)

Apoptosis, is a well-documented phenomenon in many cellular systems.¹ It plays a key role in tissue and organ development as well as in adult tissues during cell turnover. Apoptosis can be induced by a variety of internal and external stimuli including growth factor deprivation, cytokine treatment, antigen-receptor engagement, cell-cell interactions, irradiation and glucocorticoid treatment.² Bcl-2 and one of its homologues, Bcl-x_L, protect cells from apoptosis^{3,4}, while other homologues of Bcl-2 such as Bax, Bad and Bak have been shown to enhance apoptosis.⁵⁻⁸ Bcl-x_L has been shown to block apoptosis and, under certain conditions offers greater protection against apoptosis than Bcl-2.⁹⁻¹³ In contrast, Bad and Bax inhibit the protective functions of Bcl-x_L and Bcl-2, respectively. Although heterodimerization between Bcl-x_L/Bad and Bcl-2/Bax was originally thought to be essential for the differential anti-apoptotic activity of Bcl-x_L and Bcl-2,^{5,14} other results suggest that the formation of heterodimers may not be necessary for this death-repressing activity.^{15,16} Mab 7B2.5 recognizes both human and rodent Bcl-x_L.

APPLICATIONS

- Immunoprecipitation^{15,16}
- Immunohistochemistry
- Flow cytometry
- Western blotting

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using immunoassay.

WORKING DILUTIONS

Flow Cytometry:

Purified antibody	≤3 µg/10 ⁶ cells
Fluorescein conjugate	≤3 µg/10 ⁶ cells
Biotin conjugate	≤3 µg/10 ⁶ cells
Phycoerythrin conjugate	≤0.3 µg/10 ⁶ cells

Western Blotting:

Purified antibody	≤0.5 µg/mL
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Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃.
- The biotin (BIOT) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃.
- The Phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent.
- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

STATEMENT OF WARNINGS

1. 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.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

TRADEMARKS

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.

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