



Polyclonal Antibody to **bcl-2 Oncoprotein**

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to
bcl-2 protein

Antibody Formats Supplied

- 5 ml of anti bcl-2, Ready-To-Use
- 0.2 ml of anti bcl-2, Concentrate

PRODUCT# IMI11461E (Ready-To-Use)

PRODUCT# IMI11452E (Concentrate)

SOURCE: Rabbit

IMMUNOGEN: Human bcl-2 oncopeptide 41-54

REACTIVITY

Human bcl-2 is a family of genes that have a direct role in the survival of lymphoid cells. The bcl-2 protein when continuously expressed prevents apoptosis of mature peripheral B and T cells. This antibody recognizes the intracellular bcl-2 protein of 26kd molecular weight. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This bcl-2 antibody is compatible with formalin fixative as well as most commonly used histological fixatives (see special usage guidance of this data sheet).

POSITIVE CONTROL TISSUE: lymph node

STAINING PATTERN: Membrane and/or cytoplasmic staining

APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slide

Employ purified rabbit sera free of immunoglobulins, concentration at 1-5ug/ml in place of primary antibody when staining negative control slides for this antibody. Observe the same incubation time and staining condition for negative control slides and positive control slides.

Antibody FORMAT, DILUTIONS and INCUBATIONS

Affinity purified polyclonal anti bcl-2 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml of pre-diluted, Ready-to-Use, **Do not dilute.** Incubate for 30 minutes.

The use of enhancing wash buffer (Innovex product # 301) in place of PBS or Tris buffers for the rinsing in between the incubation steps allows for the elimination of antigen recovery by heat application (see special usage guidance of this data sheet)

0.2 ml of concentrate; for 10-minute incubation, dilute 1: 10; for 30-minute incubation dilute

1: 25-1:30, for longer incubation time the working titer should be determined by the end user.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

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SPECIAL USAGE GUIDANCE

No pre-treatment is necessary and the use of Innovex-Enhancing Wash buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is highly recommended.

The use of Innovex- Enhancing Wash Buffers greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. **Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures. Furthermore, the use of Innovex DAB Enhancer for amplification of DAB stains, Innovex AEC Enhancer for amplification of AEC stains and Innovex Fast Red Enhancer for amplification of AEC stains are highly recommended.**

If using heat to recover antigens, Tissue recovery solution (Innovex Product # NB304), is recommended for its pH remains unchanged by increase in temperature and as a result no damage to morphology occurs.

APPLICATIONS

This antibody is intended for use in immunolocalization of bcl-2 proteins by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative or quantitative localization of bcl-2 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human and mouse tissues has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY