Genemed Biotechnologies, Inc.

Mouse Monoclonal anti-Bcl-2, Clone Bcl-2-100

60-0005; 60-0005-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0005; 61-0005-2; 61-0005-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect Bcl-2 in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

Bcl-2 is up regulated in human lymphoma with chromosomal t(14:18)(q32;q21) translocation, which is found in 85% of human follicular lymphomas and 20% of diffuse B-cell lymphomas.

The antibody labels Bcl-2 proto-oncogene protein and stains lymphoid tissues. It labels B-cells in mantle zone and interfollicular T-cell areas, but very few cells in the germinal centers.

Bcl-2 positive results aid in the classification of follicular lymphomas and various diffuse lymphoproliferative disease. Follicular lymphoma patients with a Bcl-2 oncogene rearrangement in their tumors have a poor response to therapy than the patients without the rearrangement. Non-Hodgkin's lymphoma with Bcl-2 expression had a significantly higher relapse rate and a lower survival than in those without Bcl-2 expression.

Bcl-2 is expressed in the basal cells of epithelial tissues. In some epithelial neoplasm, Bcl-2 positive tumors have a better prognosis than Bcl-2 negative ones.

Reagent provided

This antibody is in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN_3) as antimicrobial agent.

Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however the build-ups of NaN_3 may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0005; 60-0005-7: Ready-To-Use

61-0005; 61-0005-2; 61-0005-5: Dilute 1:50 to 1:100 before use. Dilution guideline when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Tonsil

Epitope retrieval

HIER, Citrate, pH 6

Staining pattern

Cytoplasm

Storage

Store at 2-8°C.

References

1. Yang E, et al. Blood. 1996 Jul 15;88(2):386-401.
2. Yunis J. J., et al. New Eng. J. Med. 320: 1047-1054, 1989.
3. Yunis J. J., et al. New Eng. J. Med. 316: 79-84, 1987.

Symbols

Catalog No. | Batch No. | In Vitro Diagnostic Use | Temperature Range | Use By

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