

BCL-2 clone 100/D5

Instructions For Use

Specification:

This antibody is designed for the specific localization of bcl-2 protein in formalin-fixed, paraffin-embedded tissue sections. It is intended for in vitro diagnostic use.

Clone 100/D5 reacts with bcl-2 alpha oncoprotein as assessed by reaction with a 26-kD band in immunoblotting. This antibody stains the 380 cell line which carries a 14;18 chromosomal translocation. bcl-2 oncogene codes for two closely similar proteins, bcl-2 alpha and bcl-2 beta. These two proteins differ only in their carboxyl terminal sequences. bcl-2 is an integral inner mitochondrial membrane protein and is frequently overexpressed in many lymphoid malignancies. This protein also interferes with programmed cell death independent of promoting cell division. IHC staining for bcl-2 protein can be used to distinguish neoplastic germinal centers from reactive ones.

Availability:

Catalog No.	Contents	Volume
ILM 32911 C1	Anti BCL-2	1,0 ml
ILM 32911 C05	Anti BCL-2	0,5 ml
ILM 32911 C01	Anti BCL-2	0,1 ml

Intended use: For In Vitro Diagnostic Use (IVD)

Reactivity: Human

Clone: 100/D5

Species of origin: Mouse

Isotype: IgG1 kappa

Control Tissue: Tonsil

Staining: Membranous and Cytoplasmic

Immunogen: A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein

Presentation: Bioreactor Concentrate with 0.05% Azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:100)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:100)
- Western blotting

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody based detection is recommended

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

Reference:

- 1) Pezzella F *et. al.*. American Journal of Pathology, 1990, 137(2):225-32.

