

Datasheet for ABIN3026611

anti-Bcl-2 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Bcl-2 (BCL2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids GAAPAPGIFSSQPG (41-54) of the human protein were used as the immunogen for this Bcl-2 antibody.
Clone:	100-D5
Isotype:	IgG1 kappa
No Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Characteristics:	This antibody recognizes a protein of 25-26 kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax. Expression of Bcl-2 alpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of the protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, Bcl-2 antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express Bcl-2 and the small number in which the neoplastic cells are negative.

Product Details

Purification: Protein G affinity chromatography

Target Details

Target: Bcl-2 (BCL2)

Alternative Name: Bcl-2 ([BCL2 Products](#))

Background: This antibody recognizes a protein of 25-26 kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax. Expression of Bcl-2 alpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of the protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, Bcl-2 antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express Bcl-2 and the small number in which the neoplastic cells are negative.

Gene ID: 596

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Skeletal Muscle Fiber Development](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Bcl-2 antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1 mM EDTA Buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. ELISA: order BSA-free format for coating,FACS: 0.5-1 µg/million cells,IF: 1-2 µg/mL,WB: 0.5-1 µg/mL,IP: 1-2 µg/0.5 mg lysate,IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)

Restrictions: For Research Use only

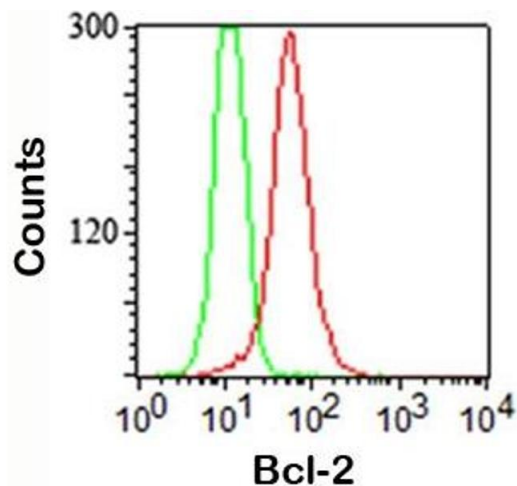
Handling

Concentration: 1 mg/mL

Handling

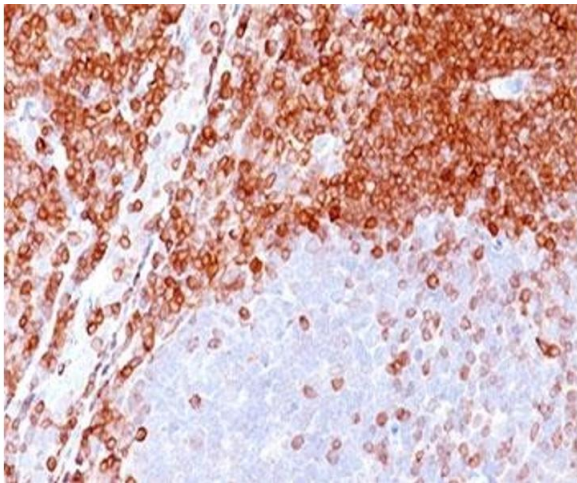
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Bcl-2 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Flow Cytometry

Image 1. FACS staining (intracellular) of Jurkat cells using 100/D5 antibody (red) and isotype control (green).



Immunohistochemistry

Image 2. IHC testing of formalin-paraffin non-Hodgkin's lymphoma stained with Bcl-2 antibody (100/D5). Note nuclear membrane & cytoplasmic staining.