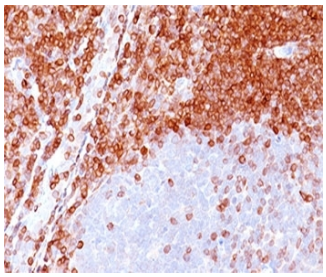
Bcl-2 Antibody [clone 100/D5] (V2007)

Catalog No.	Formulation	Size
V2007-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2007-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2007SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2007IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

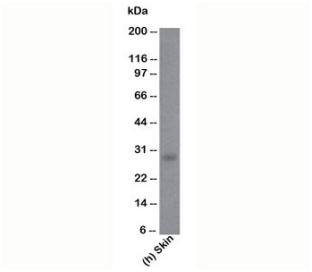
Citations (24)

Bulk quote request

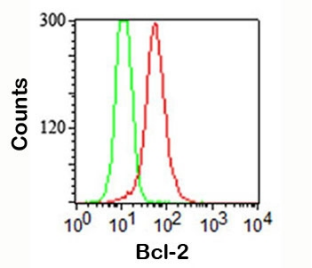
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	100/D5
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	596
Localization	Cytoplasmic, membrane
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This **Bcl-2 antibody** is available for research use only.



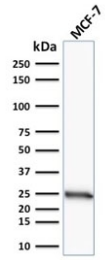
Bcl-1 Antibody IHC. Immunohistochemistry testing of formalin-paraffin non-Hodgkin's lymphoma stained with Bcl-2 antibody (100/D5). Note nuclear membrane & cytoplasmic staining.



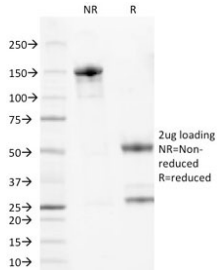
Western blot testing of human samples using Bcl-2 antibody (100/D5).



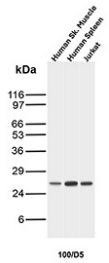
Bcl-2 Antibody FACS. Flow cytometry staining (intracellular) of human Jurkat cells using Bcl-2 antibody (red) and isotype control (green).



Western blot testing of human MCF7 cell lysate with Bcl-2 antibody (clone 100/D5).



SDS-PAGE analysis of purified, BSA-free Bcl-2 antibody (clone 100/D5) as confirmation of integrity and purity.



Bcl-2 Antibody WB. Western blot testing of human skeletal muscle, spleen and Jurkat lysate with Bcl-2 antibody (clone 100/D5).

Description

Bcl-2 antibody recognizes a protein of 25-26kDa, 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.

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 titered up or down for optimal performance.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1mM 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.

Immunogen

Amino acids GAAPAPGIFSSQPG (41-54) of the human protein were used as the immunogen for this Bcl-2 antibody.

Storage

Store the Bcl-2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

B-cell CLL / lymphoma-2

References (1)

Copyright © NSJ Bioreagents. All rights reserved.