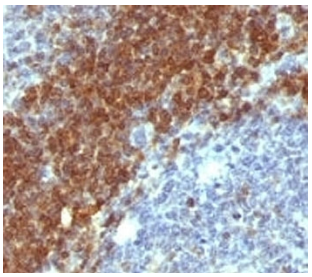
Anti-Bcl-2 Antibody [clone SPM530] (V9074)

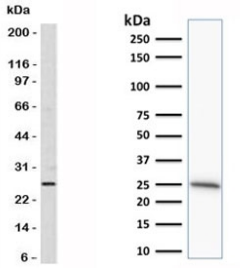
Catalog No.	Formulation	Size
V9074-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9074-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9074SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9074IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

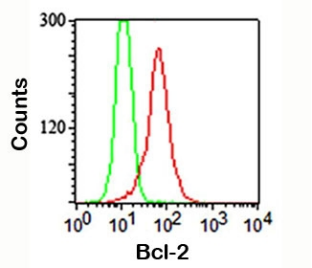
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM530
Purity	Protein G affinity chromatography
UniProt	P10415
Localization	Cytoplasmic, membrane
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-Bcl-2 antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human non-Hodgkin's lymphoma stained with anti-Bcl-2 antibody (clone SPM530).



Western blot of testing of human skin lysate (left) and human MCF7 cell lysate (right) using anti-Bcl-2 antibody (clone SPM530).



FACS staining (intracellular) of Jurkat cells using anit-Bcl-2 antibody (red) and isotype control (green).

Description

This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein. Expression of bcl-2 alpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of bcl-2 alpha protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, this 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 protein and the small number in which the neoplastic cells are bcl-2 negative.

Application Notes

The optimal dilution of the anti-Bcl-2 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, 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 41-54 (GAAPAPGIFSSQPG) from the human protein were used as the immunogen for this anti-Bcl-2 antibody.

Storage

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

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