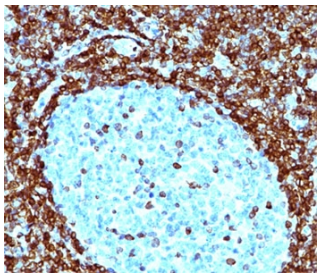
Bcl-2 Antibody [clone 124] (V2009)

Catalog No.	Formulation	Size
V2009-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2009-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2009SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2009IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

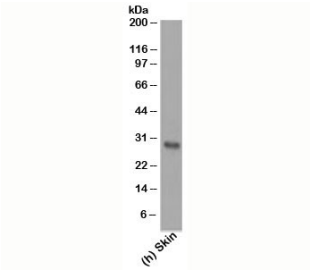
Citations (8)

Bulk quote request

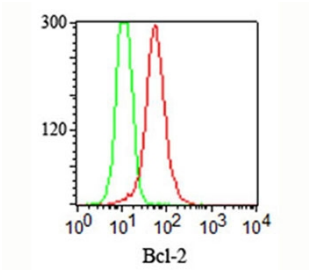
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	124
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	596
Localization	Cytoplasmic, membrane
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This **Bcl-2 antibody** is available for research use only.



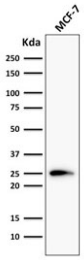
IHC testing of human non-Hodgkin's lymphoma stained with Bcl-2 antibody (clone 124). Note nuclear membrane & cytoplasmic staining.



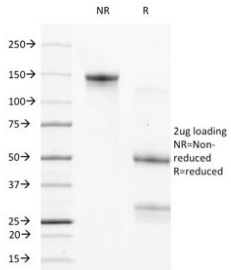
Western blot testing of human samples using Bcl-2 antibody (clone 124).



FACS staining (intracellular) of Jurkat cells using Bcl-2 antibody (clone 124, red) and isotype control antibody (green).



Western blot testing of human MCF7 cell lysate with Bcl-2 antibody (clone 124).



SDS-PAGE analysis of purified, BSA-free Bcl-2 antibody (clone 124) as confirmation of integrity and purity.

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 concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the 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

A synthetic peptide, aa 41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein was used as the immunogen for this antibody.

Storage

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

Alternate Names

Apoptosis regulator Bcl-2, B-cell CLL/lymphoma-2, Bcl-2 antibody

References (1)

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