

# Anti-BCL2 [bcl-2/100] mAb

**Catalogue number:** 151406

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Jacqueline Cordell

**Institute:** University of Oxford

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-BCL2 [bcl-2/100] mAb

**Alternate name:**

CancerTools.org

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Monoclonal antibody directed against both isoforms of BCL-2 protein.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Synthetic peptide of amino acids 41-54 of human bcl-2 oncoprotein

**Immunogen UNIPROT ID:** P10415

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Bcl2

**Target alternate names:**

**Target background:** The pro-survival protein BCL2 derives its name from B-cell lymphoma 2, as it is the second member of a range of proteins initially described in chromosomal translocations involving chromosomes 14 and 18 in follicular lymphomas. There are two isoforms, alpha and beta, of Bcl-2 have been identified and are a result of alternative splicing at the C-terminus. BCL-2 protein is involved in apoptosis, and inhibits the function of pro-apoptotic proteins such as Bax and Bak. Damage to the Bcl-2 gene has been identified as a cause of a number of cancers, including melanoma, breast, prostate, chronic lymphocytic leukaemia, and lung cancer, and a possible cause of schizophrenia and autoimmunity. It is also a cause of resistance to cancer treatments. This antibody recognises both the alpha and beta isoforms of BCL-2.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 8 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** Store at -20° C frozen. Avoid repeated freeze / thaw cycles

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Falini et al. 1986. J Immunol Methods. 93(2):265-73. PMID: 2430024. ; Description of a sequential staining procedure for double immunoenzymatic staining of pairs of antigens using monoclonal antibodies. ; Falini et al. 1984. Br J Haematol. 56(3):365-86. PMID: 6365152. ; Immunohistological analysis of human bone marrow trephine biopsies using monoclonal antibodies. ; Naiem et al. 1982. J Immunol Methods. 50(2):145-60. PMID: 6806388. ; The value of immunohistological screening in the production of monoclonal antibodies.