

**BCL-2****Mouse Monoclonal Antibody  
Product Datasheet**

Catalog# BX50167

Clone# 8C8

**Predicted Molecular Wt:** 26kDa**Purity:** ProG affinity purified IgG**Species Cross-reactivity:** Human**Form:** Liquid**Applications:** IHC-P**Swissprot ID:** P10415**Background:**

BCL2 is a protein associated with apoptosis regulation produced by the bcl-2 gene, located on chromosome 14q32. BCL2 is comprised of an alpha (239 amino acids) and beta chain. BCL2 is found in mitochondrial and nuclear membranes and in the cytosol rather than the cell surface.

In normal lymphoid tissue, BCL2 antibody reacts with small B-lymphocytes in the mantle zone and many cells within the T-cell areas. Anti-BCL2 has shown consistent negative reaction on reactive germinal centers and positive staining of neoplastic follicles in follicular lymphoma. This difference in staining pattern is not due to down regulation or decreased BCL2 mRNA, but largely to a post-translational mechanism with resultant decrease in protein levels.

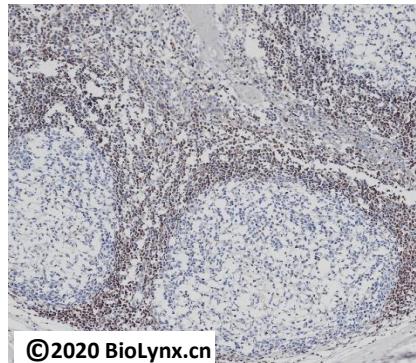
Consequently, this antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymphoid lesions. Anti-BCL2 has been used as an indicator of minimal residual disease in the bone marrow of follicular lymphoma patients when staining is strong and uniform.

**Subcellular location:**

Membrane

**Recommended method:**

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of tonsil tissue labelling BCL-2 with 8C8. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

**Immunogen:**

Synthetic peptide corresponding to residues in Human BCL-2 was used as an immunogen.

**Storage Buffer:**

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

**Storage conditions:**

-20°C

**Storage instructions:**

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

**Recommended Dilutions:**

IHC-P: 1:100-1:200

**Background References:**

1. Gong D et al. Mol Ther Nucleic Acids 19:482-497 (2020).
2. Wang L et al. Proc Natl Acad Sci U S A 117:563-572 (2020).

Product QC'd by: **For research use only. Not for use in diagnostic or therapeutic applications.**