**Bcl2 Monoclonal antibody**

**Catalog Number:** 66799-1-Ig

**Basic Information**

- **Catalog Number:** 66799-1-Ig
- **Size:** 1387 μg/ml
- **Source:** Mouse
- **Isotype:** IgG1
- **Purification Method:** Protein G purification
- **Immunogen Catalog Number:** AG24261
- **GenBank Accession Number:** NM_009741
- **GeneID (NCBI):** 12043
- **Full Name:** B-cell leukemia/lymphoma 2
- **Calculated MW:** 26 kDa
- **Observed MW:** 26 kDa
- **Clone No.:** 1B5B9
- **Recommended Dilutions:**
  - WB: 1:500-1:2000
  - IF: 1:200-1:800

**Applications**

- **Tested Applications:** IF, WB, ELISA
- **Cited Applications:** IP, WB
- **Species Specificity:** mouse
- **Cited Species:** human, mouse

**Background Information**

Bcl2 is a member of the B-cell lymphoma 2 protein family. Members of this family regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in numerous tissues.

**Notable Publications**

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
<th>Application</th>
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<tbody>
<tr>
<td>Chen Chen</td>
<td>30412827</td>
<td>Redox Biol</td>
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<td>Xiaohua Lei</td>
<td>32400797</td>
<td>Food Funct</td>
<td>WB</td>
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<td>Ran Zhang</td>
<td>33979163</td>
<td>J Nat Prod</td>
<td>WB</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting:** Unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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Various lysates were subjected to SDS PAGE followed by western blot with 66799-1-Ig (Bcl2 antibody) at dilution of 1:1400 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Bcl2 antibody (66799-1-Ig, Clone: 1B5B9) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).