

## Datasheet: VMA00017

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI Bcl-2       |
| <b>Specificity:</b>  | Bcl-2                  |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | 100                    |
| <b>Isotype:</b>      | IgG1                   |
| <b>Quantity:</b>     | 100 µl                 |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 1/1000             |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: African green monkey  
**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

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**Immunogen** Synthetic peptide corresponding to amino acids 41-54 of human bcl-2

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## External Database Links

**UniProt:**

[P10415](#)    [Related reagents](#)

**Entrez Gene:**

[596](#) BCL2    [Related reagents](#)

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## Specificity

**Mouse anti Human bcl-2 antibody** recognizes the human apoptosis regulator bcl-2 oncoprotein, a 239 amino acid integral single pass membrane protein containing 4 [BH motifs](#) which lies within the cell rather than on the cell surface. The protein is localized to the outer mitochondrial membrane and plays a role in the inhibition of apoptosis.

Mouse anti Human bcl-2 antibody reacts with small B lymphocytes in the mantle zone and many cells within T cell areas. Very few cells in germinal centres are stained. In the thymus many cells in the medulla are stained but the cortex shows weak or negative staining. In non-hematopoietic tissues few cells are stained ([Krajewski et al. 1995](#)). The antibody reacts with neoplastic cells of follicular lymphoma and anaplastic large cell lymphoma ([Reed 1997](#)).

Mouse anti Human bcl-2 antibody recognizes bcl-2 as a ~26 kDa single band by western blotting in various human cell lysates and the COS-7 cell line.

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**Western Blotting** Anti bcl-2 antibody detects a band of approximately 26 kDa in Jurkat cell lysates.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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