

## PRODUCT INFORMATION SHEET

### Mouse Monoclonal Antibody to BCL-2

Format: PURE      RUO      REF      IQP-1439P      Volume: 100µl



#### Description

|                          |   |
|--------------------------|---|
| <b>Clone</b>             | 8E12  |
| <b>Isotype</b>           | Mouse IgG1  |
| <b>Specificity</b>       | BCL-2   |
| <b>Alternative names</b> | Bcl-2; BCL2   |
| <b>Species</b>           | Human, Mouse  |
| <b>Immunogen</b>         | Synthetic peptide corresponding to residues surrounding BCL-2, conjugated to KLH. |
| <b>Mw</b>                | 26kDa   |
| <b>Format</b>            | Ascitic fluid containing 0.03% sodium azide.                                      |

**Summary** This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Tissue specificity: Expressed in a variety of tissues.

**Applications** ELISA: 1/10000; IHC: 1/200 - 1/1000; ICC: 1/200 - 1/1000; FCM: 1/200 - 1/400

#### Limitations

1. Conjugates with brighter fluorochromes, like PE and APC, will have a greater separation than those with dyes like FITC and CyQ. When populations overlap, the percentage of positive cells using a selected marker can be affected by the choice of fluorescent label.
2. Use of monoclonal antibodies in patient treatment can interfere with antigen target recognition by this reagent. This should be taken into account when samples are analyzed from patients treated in this fashion. IQ Products has not characterized the effect of the presence of therapeutic antibodies on the performance of this reagent.
3. Reagents can be used in different combinations, therefore laboratories need to become familiar performance characteristics of each antibody in relation with the combined markers in normal and abnormal samples.
4. Reagent data performance is based on EDTA-treated blood. Reagent performance can be affected by the use of other anticoagulants.



#### Handling and Storage

Store the vials at 2-8 °C for a maximum of 2 weeks and store at -20°C for longer term storage. Monoclonal antibodies should be protected from prolonged exposure to light when conjugated with fluorochromes. Reagents are stable for the period shown on the vial label when stored properly.

**Warranty** Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product. IQ Products is not liable for property damage, personal injury, or economic loss caused by the product.

#### Characterization

To ensure consistently high-quality reagents, each batch of monoclonal antibody is tested for conformance with characteristics of a standard reagent.

**Warning** All products contain sodiumazide. This chemical is poisonous and hazardous. Handling should be done by trained staff only.












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#### References

1. J Biol Chem. 2010 Mar 26;285(13):9770-9.
2. Pharmacogenomics J. 2010 Feb 16.
3. J Int Med Res. 2009 Nov-Dec;37(6):1868-76.

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#### Explanation of used symbols

|   |  |
|---|--|
|    | Consult instructions for use           |
|    | Catalogue number                       |
|    | Sufficient for                         |
|    | Caution, consult accompanying document |
|    | Keep away from (sun)light              |
|    | Biological risks                       |
|   | Temperature limitation (°C)            |
|  | For Research Use Only                  |
|  | Batch code                             |
|  | Use by yyyy-mm-dd                      |
|  | Manufacturer                           |

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|     |             | <b>Label - tandem</b> | <b>Ex -max (nm)</b> | <b>Em -max (nm)</b> |
|-----|-------------|-----------------------|---------------------|---------------------|
| P   | PURE        | purified material     | -                   | -                   |
| F   | FITC        | FITC                  | 488                 | 519                 |
| R   | R-PE        | PE                    | 488, 532            | 578                 |
| C   | CyQ         | PE-Cy5.18             | 488, 532            | 667                 |
| A   | APC         |                       | 595, 633, 635, 647  | 660                 |
| PC  | PerCP       |                       | 488, 532            | 678                 |
| PCC | PerCP-Cy5.5 |                       | 488, 532            | 695                 |



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