

TECHNICAL DATA SHEET

CyFlow™ Bcl2 Purified Anti-Hu; Clone Bcl-2/100

REF CV809238

**For Research Use Only.
Not for use in diagnostic or therapeutic procedures.**

Specifications

Antigen	Bcl2
Alternative Names	—
Clone	Bcl-2/100
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	Mouse
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Synthetic peptide corresponding to the amino acids 41-54 of human Bcl2

Contact Information:

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Specificity

The mouse monoclonal antibody Bcl2/100 recognizes Bcl2 antigen, a 26 kDa protooncogen with anti-apoptotic effect, expressed in outer mitochondrial membrane, endoplasmic reticulum and nuclear envelope.

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

Bcl2 (B cell CLL lymphoma 2) is a proto-oncogen, which can contribute to tumorigenesis by counteracting apoptosis in various cell types. The anti-apoptotic effect of Bcl2 is performed by its interactions with suppressors and agonists of cell death and under physiological conditions it is regulated by proteolytic processing and phosphorylation. Bcl2 expression can be detected mainly in lymphoid tissues and in the basal cells of epithelial tissues. It is also a marker that can help in classification of lymphoproliferative diseases and in prognostics of some epithelial neoplasms.

References

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- Laflamme C, Israël-Assayag E, Cormier Y: Apoptosis of bronchoalveolar lavage lymphocytes in hypersensitivity pneumonitis. *Eur Respir J.* 2003 Feb; 21(2):225-31. < PMID: 12608434 >
- Gugasyan R, Christou A, O'Reilly LA, Strasser A, Gerondakis S: Bcl-2 transgene expression fails to prevent fatal hepatocyte apoptosis induced by endogenous TNFalpha in mice lacking RelA. *Cell Death Differ.* 2006 Jul; 13(7):1235-7. < PMID: 16485035 >
- Laforge M, Petit F, Estaquier J, Senik A: Commitment to apoptosis in CD4(+) T lymphocytes productively infected with human immunodeficiency virus type 1 is initiated by lysosomal membrane permeabilization, itself induced by the isolated expression of the viral protein Nef. *J Virol.* 2007 Oct; 81(20):11426-40. < PMID: 17670831 >
- Joubert A, Marais S, Maritz C: Influence of 2-methoxyestradiol on MCF-7 cells: an improved differential interference contrasting technique and Bcl-2 and Bax protein expression levels. *Biocell.* 2009 Apr; 33(1):67-70. < PMID: 19499887 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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