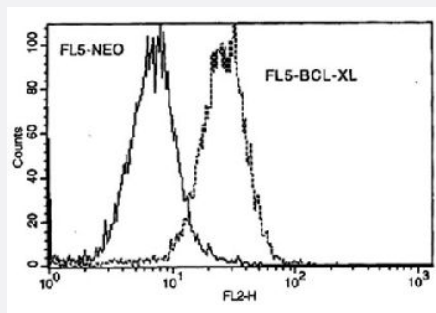


BCL2L1 monoclonal antibody, clone 7B2.5 (PE)

Catalog # MAB5861 Size 100 ug

Applications



Flow Cytometry

Murine FL5 cells (FL5-NEO) and FL5 cells transfected with Bcl-xL expression plasmid (FL5-BCL-XL) were fixed with buffered paraformaldehyde and then permeabilized with saponin. The cells were incubated with BCL2L1 monoclonal antibody, clone 7B2.5 followed by phycoerythrin-conjugated goat anti-mouse IgG, and then were analyzed by flow cytometry.

Specification

Product Description Mouse monoclonal antibody raised against recombinant BCL2L1.

Immunogen Recombinant protein corresponding to human BCL2L1.

Host Mouse

Reactivity Human

Specificity human Bcl-xL (Mr 29 KDa).

Form Liquid

Conjugation PE

Isotype IgG3

Recommend Usage Flow Cytometry (0.3 ug/10⁶ cells)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.09% sodium azide)

Storage Instruction

Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunoprecipitation
- Flow Cytometry

Murine FL5 cells (FL5-NEO) and FL5 cells transfected with Bcl-xL expression plasmid (FL5-BCL-XL) were fixed with buffered paraformaldehyde and then permeabilized with saponin. The cells were incubated with BCL2L1 monoclonal antibody, clone 7B2.5 followed by phycoerythrin-conjugated goat anti-mouse IgG, and then were analyzed by flow cytometry.

Gene Info — BCL2L1

Entrez GeneID[598](#)**Gene Name**

BCL2L1

Gene Alias

BCL-XL/S, BCL2L, BCLX, Bcl-X, DKFZp781P2092, bcl-xL, bcl-xS

Gene Description

BCL2-like 1

Omim ID[600039](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter form acts as an apoptotic activator. [provided by RefSeq]

Other Designations

OTTHUMP00000030550|OTTHUMP00000030551|OTTHUMP00000030553

Publication Reference

- [Bax-independent inhibition of apoptosis by Bcl-XL.](#)

Cheng EH, Levine B, Boise LH, Thompson CB, Hardwick JM.

Nature 1996 Feb; 379(6565):554.

- [Prevention of hypoxia-induced cell death by Bcl-2 and Bcl-xL.](#)

Shimizu S, Eguchi Y, Kosaka H, Kamiike W, Matsuda H, Tsujimoto Y.

Nature 1995 Apr; 374(6525):811.

- [Modulation of apoptosis by the widely distributed Bcl-2 homologue Bak.](#)

Kiefer MC, Brauer MJ, Powers VC, Wu JJ, Umansky SR, Tomei LD, Barr PJ.

Nature 1995 Apr; 374(6524):736.

Application: Flow Cyt, Human, FL5.12, WIL2 cells

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Chronic myeloid leukemia](#)
- [Jak-STAT signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Amnesia](#)

- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)