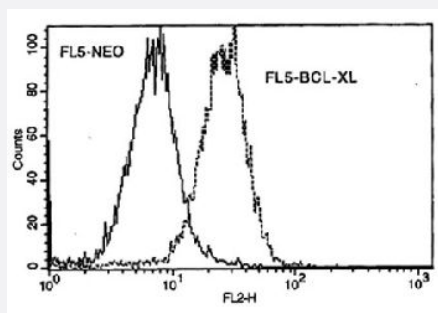# BCL2L1 monoclonal antibody, clone 7B2.5 (Biotin)

Catalog #   MAB5860   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	Biotin
Isotype	IgG3
Recommend Usage	Flow Cytometry (3 ug/10^6 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, WI-L2 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](#)