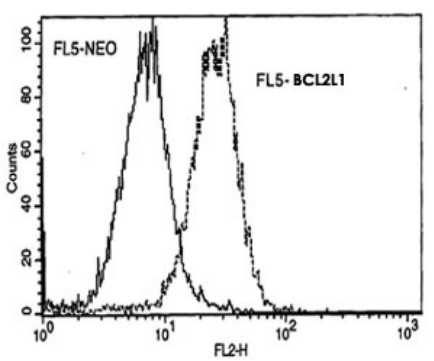
BCL2L1 monoclonal antibody, clone 7B2.5

Catalog # MAB3283 Size 100 ug

Applications



Flow Cytometry

Murine FL5 cells (FL5-NEO) and FL5 cells transfected with BCL2L1 expression plasmid (FL5-BCL2L1) were fixed with buffered paraformaldehyde and then permeabilized with saponin. The cells were incubated with BCL2L1 monoclonal antibody, clone 7B2.5 (Cat # MAB3283) 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.
Form	Liquid
Isotype	IgG3
Recommend Usage	Western Blot (0.5 ug/mL) Flow Cytometry (3 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.0
Storage Instruction	Store at 4°C.

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Applications

- Immunohistochemistry
- Flow Cytometry

  Murine FL5 cells (FL5-NEO) and FL5 cells transfected with BCL2L1 expression plasmid (FL5-BCL2L1) were fixed with buffered paraformaldehyde and then permeabilized with saponin. The cells were incubated with BCL2L1 monoclonal antibody, clone 7B2.5 (Cat # MAB3283) followed by phycoerythrin-conjugated goat anti-mouse IgG, and then were analyzed by flow cytometry.
- Immunoprecipitation
- Western Blot

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 for m hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide v ariety of cellular activities. The proteins encoded by this gene are located at the outer mitochondri al membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of r eactive oxygen species and release of cytochrome C by mitochondria, both of which are the pote nt inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct is oforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter for m acts as an apoptotic activator. [provided by RefSeq
Other Designations	OTTHUMP00000030550|OTTHUMP00000030551|OTTHUMP00000030553

Publication Reference

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- Bax-independent inhibition of apoptosis by Bcl-XL.

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

  Nature 1996 Feb; 379(6565):554.

  Application: Func, Mouse , FL5.12 cells

- The ability of Bcl-x(L) and Bcl-2 to prevent apoptosis can be differentially regulated.

  Gottschalk AR, Boise LH, Oltvai ZN, Accavitti MA, Korsmeyer SJ, Quintans J, Thompson CB.

  Cell Death Differ 1996 Jan; 3(1):113.

- 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.

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

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- 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

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