

Product datasheet for **AM08172PU-N**

Bcl-2-like 1 (Bcl-xL) Mouse Monoclonal Antibody [Clone ID: 7B2.5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7B2.5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: < / = 3 µg/10e6 cells. Western Blot: < / = 0,5 µg/ml. Immunohistochemistry on Frozen Sections. Immunoprecipitation.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Recombinant Bcl-xS.
Specificity:	This antibody recognizes Bcl-xL.
Formulation:	100 mM Borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BCL2 like 1
Database Link:	Entrez Gene 598 Human Q07817



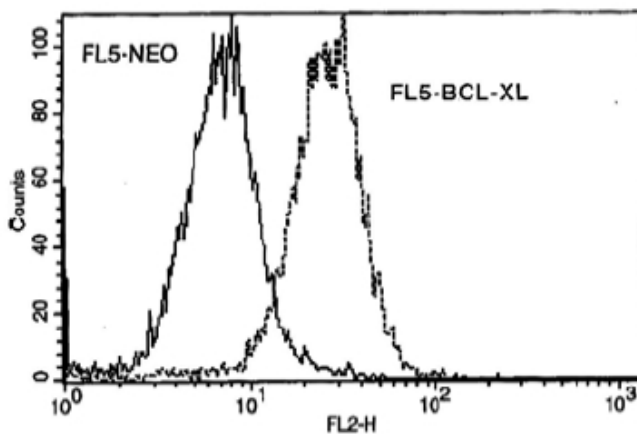
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Background:

Apoptosis, or programmed cell death, is a well-documented phenomenon in many cellular systems. (Ref.1) It plays a key role in tissue and organ development as well as in adult tissues during cell turnover. Apoptosis can be induced by a variety of internal and external stimuli including growth factor deprivation, cytokine treatment, antigen-receptor engagement, cell-cell interactions, irradiation and glucocorticoid treatment. (Ref.2) Bcl-2 and one of its homologues, Bcl-xL, protect cells from apoptosis (Ref.3,4) while other homologues of Bcl-2 such as Bax, Bad and Bak have been shown to enhance apoptosis. (Ref.5-8) Bcl-xL has been shown to block apoptosis which is induced by a variety of stimuli and, under certain conditions, offers greater protection against apoptosis than Bcl-2. (Ref.9-13) In contrast, Bad and Bax inhibit the protective functions of Bcl-xL and Bcl-2, respectively. Although heterodimerization between Bcl-xL/Bad and Bcl-2/Bax was originally thought to be essential for the differential anti-apoptotic activity of Bcl-xL and Bcl-2. (Ref.5,14) Other results suggest that the formation of heterodimers may not be necessary for this death-repressing activity. (Ref.15,16)

Synonyms:

Bcl2-L-1, BCL2L1, BCL2L, BCLX, Bcl-x, bcl-xL, bcl-xS, Bcl-2-like protein 1

Product images:

Immunofluorescent Staining. 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 Mouse anti-Human Bcl-x