

Mouse anti-Human Bcl-2 Monoclonal Antibody | anti-Bcl-2 antibody

Bcl-2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48082	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Bcl-2; Monoclonal Antibody; Bcl-2 antibody; B-cell lymphoma protein 2 alpha; B-cell lymphoma protein 2 alpha Apoptosis regulator Bcl 2; Apoptosis regulator Bcl2; AW986256; B cell CLL/lymphoma 2; B cell leukemia/lymphoma 2; Bcl2; C430015F12Rik; D630044D05Rik; D830018M01Rik; Leukemia/lymphoma; B-cell; 2; Oncogene B-cell leukemia 2.; anti-Bcl-2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1B5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	239
Applicable Applications for anti-Bcl-2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Bcl-2 (1-211aa) purified from E. coli
Clone Note	Anti-human Bcl2 mAb, clone AT1B5, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Bcl-2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and with monoclonal anti-human Bcl-2 antibody (1:500) with Texas Red (Red).



WB (Western Blot)

Cell lysates (35ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Bcl-2 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-Bcl-2 antibody	Bcl-2 (B-cell lymphoma protein 2 alpha) is an anti-apoptotic protein located primarily in the outer mitochondrial membrane. It blocks the apoptotic death of some cells such as lymphocytes. BCL-2 is thought to regulate cell death by controlling the mitochondrial membrane permeability during apoptosis. Bcl-2 protein has anti-apoptotic functions through inhibiting caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1).
Product Categories/Family for anti-Bcl-2 antibody	Cancer
References	Zamzami N., et al., (1998) Oncogene. 16 (17):2265-82.; Fernandez-Sarabia MJ., et al., (1993) Nature. 366 (6452):274-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	72198189
NCBI GeneID	596
NCBI Accession #	NP_000624
NCBI GenBank Nucleotide #	NM_000633.2
UniProt Accession #	P10415; P10416; Q13842; Q16197; C9JHD5
Molecular Weight	22,337 Da
NCBI Official Full Name	apoptosis regulator Bcl-2 alpha isoform
NCBI Official Synonym Full Names	BCL2, apoptosis regulator
NCBI Official Symbol	BCL2
NCBI Official Synonym Symbols	Bcl-2; PPP1R50
NCBI Protein Information	apoptosis regulator Bcl-2
UniProt Protein Name	Apoptosis regulator Bcl-2
UniProt Gene Name	BCL2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/bcl-2-antibody-clone-at1b5-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48082>