



# Anti-BCL2 monoclonal antibody, clone 211/E6 (DCABH-9482)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Bcl-2
<b>Antigen Description</b>	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1).
<b>Specificity</b>	This antibody recognises a protein of 25-26kDa, identified as the bcl-2a oncoprotein. It does not cross-react with bcl-x or bax protein.
<b>Immunogen</b>	Synthetic peptide corresponding to Bcl-2 aa 41-54. Sequence: GAAPAPGIFSSQPG-Cys
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Human
<b>Clone</b>	211/E6
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Flow Cyt, IHC-P, IHC-Fr, IP, WB, ICC/IF
<b>Positive Control</b>	Follicular lymphomas or tonsil.
<b>Format</b>	Liquid
<b>Size</b>	500 µl

<b>Buffer</b>	Preservative: 0.09% Sodium Azide; Constituents: 1% BSA, Tissue culture supernatant, PBS, pH 7.3
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">BCL2 B-cell CLL/lymphoma 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	BCL2
<b>Synonyms</b>	BCL2; B-cell CLL/lymphoma 2; apoptosis regulator Bcl-2; Bcl 2; PPP1R50; protein phosphatase 1; regulatory subunit 50; protein phosphatase 1, regulatory subunit 50; Bcl-2;
<b>Entrez Gene ID</b>	<a href="#">596</a>
<b>Protein Refseq</b>	<a href="#">NP_000624</a>
<b>UniProt ID</b>	<a href="#">A0A024R2B3</a>
<b>Chromosome Location</b>	18q21.3
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;
<b>Function</b>	BH3 domain binding; channel activity; identical protein binding; protease binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein phosphatase 2A binding; sequence-specific DNA binding; transcription factor