



Anti-BCL2 monoclonal antibody, clone Cdm3/211 (DCABH-501)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Bcl-2
Antigen Description	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).
Immunogen	Synthetic peptide corresponding to Human Bcl-2 aa 41-54. Sequence: GAAPAGIFSSQPG
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	Cdm3/211
Purification	This antibody is purified from cell culture supernatant by protein-A affinity chromatography. Purity is >95% (by SDS-PAGE).
Conjugate	Unconjugated
Applications	WB, IP, IHC-P, IHC-Fr, ICC, Flow Cyt
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Preservative: 0.1% Sodium azide; Constituent: 99% PBS

Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
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GENE INFORMATION

Gene Name	BCL2 B-cell CLL/lymphoma 2 [Homo sapiens]
Official Symbol	BCL2
Synonyms	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;
Entrez Gene ID	596
Protein Refseq	NP_000624
UniProt ID	A0A024R2B3
Chromosome Location	18q21.3
Pathway	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;
Function	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