



# Anti-BCL2 monoclonal antibody, clone 20D3 (DCABH-14698)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants, produced by alternate splicing, differ in their C-terminal ends.
<b>Specificity</b>	Mouse and Rat Bcl-2.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to amino acids 61-76 of mouse Bcl2.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat
<b>Clone</b>	20D3
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot; ELISA
<b>Format</b>	Liquid
<b>Buffer</b>	In 100 mM BBS, pH 8.2
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C

# GENE INFORMATION

Gene Name	<a href="#">Bcl2 B cell leukemia/lymphoma 2 [ Mus musculus ]</a>
Official Symbol	Bcl2
Synonyms	BCL2; B cell leukemia/lymphoma 2; apoptosis regulator Bcl-2; B-cell leukemia/lymphoma 2; Bcl-2; AW986256; C430015F12Rik; D630044D05Rik; D830018M01Rik;
Entrez Gene ID	<a href="#">12043</a>
Protein Refseq	<a href="#">NP_033871</a>
UniProt ID	<a href="#">P10417</a>
Pathway	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), conserve
Function	BH domain binding; BH3 domain binding; channel activity; identical protein binding; protease binding; protein binding; protein heterodimerization activity; protein heterodimerization activity; protein homodimerization activity; protein phosphatase 2A binding; protein phosphatase binding; transcription factor binding; ubiquitin protein ligase binding;
References	Nonionic detergents induce dimerization among members of the Bcl-2 family.Hsu YT, Youle R.J.J Biol Chem. 1997 May 23;272(21):13829-34. The ability of Bcl-x(L) and Bcl-2 to prevent apoptosis can be differentially regulated.Gottschalk AR, Boise LH, Oltvai Z