



## BCL2A1 blocking peptide (CDBP5186)

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

### PRODUCT INFORMATION

**Antigen Description** This gene encodes a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators that are involved in a wide variety of cellular activities such as embryonic development, homeostasis and tumorigenesis. The protein encoded by this gene is able to reduce the release of pro-apoptotic cytochrome c from mitochondria and block caspase activation. This gene is a direct transcription target of NF-kappa B in response to inflammatory mediators, and is up-regulated by different extracellular signals, such as granulocyte-macrophage colony-stimulating factor (GM-CSF), CD40, phorbol ester and inflammatory cytokine TNF and IL-1, which suggests a cytoprotective function that is essential for lymphocyte activation as well as cell survival. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

<b>Immunogen</b>	13 amino acids near the amino terminus of human Bfl-1.
<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Species Reactivity</b>	Human, mouse, rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05mg
<b>Storage</b>	-20°C

### ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">BCL2A1 BCL2-related protein A1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	BCL2A1
<b>Synonyms</b>	BCL2A1; BCL2-related protein A1; GRS; BFL1; ACC-1; ACC-2; HBPA1; BCL2L5; bcl-2-related

protein A1; bcl2-L-5; protein BFL-1; bcl-2-like protein 5; hematopoietic BCL2-related protein A1; hemopoietic-specific early response protein

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<b>Entrez Gene ID</b>	<a href="#">597</a>
<b>mRNA Refseq</b>	<a href="#">NM_001114735</a>
<b>Protein Refseq</b>	<a href="#">NP_001108207</a>
<b>MIM</b>	<a href="#">601056</a>
<b>UniProt ID</b>	Q16548
<b>Pathway</b>	Apoptosis Modulation and Signaling; BCR signaling pathway; Direct p53 effectors; NF-kappa B signaling pathway; Transcriptional misregulation in cancer
<b>Function</b>	BH domain binding; protein binding; protein heterodimerization activity; protein homodimerization activity

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