



# Human BCL2A1 blocking peptide (DAG-P1375)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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>Specificity</b>	Seems to be restricted to the hematopoietic compartment. Expressed in peripheral blood, spleen, and bone marrow, at moderate levels in lung, small intestine and testis, at a minimal levels in other tissues. Also found in vascular smooth muscle cells and h
<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Purity</b>	> 90 % by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the Bcl-2 family.
<b>Cellular Localization</b>	Cytoplasm.
<b>Format</b>	Liquid
<b>Buffer</b>	Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2

## 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;
<b>Entrez Gene ID</b>	<a href="#">597</a>
<b>mRNA Refseq</b>	<a href="#">NM_001114735.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001108207.1</a>
<b>MIM</b>	<a href="#">601056</a>
<b>UniProt ID</b>	Q16548
<b>Chromosome Location</b>	15q24.3
<b>Pathway</b>	Apoptosis Modulation and Signaling, organism-specific biosystem; BCR signaling pathway, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; NF-kappa B signaling pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
<b>Function</b>	BH domain binding; protein binding; protein heterodimerization activity; protein homodimerization activity;