

BCL2A1 mouse monoclonal antibody (hybridoma)

Catalog # H00000597-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant BCL2A1.
Immunogen	BCL2A1 (NP_004040.1, 1 a.a. ~ 175 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTDCEFGYYRLAQDYLQCVLQIPQPGSGPSKTSRVLQNVAFSVQKEVEKNLKSCLDNVNVVSV DTARTLFNQVMEKEFEDGIIWGRVTIFAFAEGILIKLLRQQIAPDVDTYKEISYFVAEFIMNNTGEWI RQNGGWENG FVKKFEPKSGWMTFLEVTGKICEMLSLLKQYC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (76)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — BCL2A1

Entrez GeneID [597](#)

GeneBank Accession# [NM_004049.2](#)

Protein Accession# [NP_004040.1](#)

Gene Name BCL2A1

Gene Alias ACC-1, ACC-2, BCL2L5, BFL1, GRS, HBPA1

Gene Description BCL2-related protein A1

Omim ID [601056](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations hematopoietic BCL2-related protein A1

Pathway

- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Graft vs Host Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)