

## B6.Cg-Tg(BCL2)36Wehi/J

Stock No: 002321 | bcl-2-36

 Transgenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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production of B-cells, antibodies T-cell lines or hybridomas.

### Donating Investigator

Dr. Alan Harris, The Walter & Eliza Hall Inst of Med Res

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(BCL2)36Wehi

#### Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

## RESEARCH APPLICATIONS

Apoptosis Research  
Immunology, Inflammation and Autoimmunity Research  
Research Tools

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

### - Details

#### - Detailed Description

Expression of the human BCL2 transgene in both T cell and B cell lineages. This transgenic line combines the characteristics of both Tg(BCL2)22Wehi and the Tg(BCL2)25Wehi lines. Hemizygotes show increased numbers of B lymphocytes, Ig-secreting cells and serum Ig, as well as a heightened and prolonged antibody response to immunization. T-cells withstand prolonged culture in the absence of growth factors and are resistant to killing by gamma-radiation, glucocorticoids, ionomycin, PMA and sodium azide but NOT complement, cytotoxic T cells, or Fas ligand. Hemizygotes have a normal total T-cell count and thymic involution rate but show an enhanced response to immunization. These mice serve as a robust source for the production of B-cells, antibodies T-cell lines or hybridomas. Although mice bearing this allele exhibit a mild increase in spontaneous lymphoma and plasmacytoma occurrence (<10% to 18 months) on a (C57BL/6 x SJL)F2 background, on the BALB/c and C57BL/6 backgrounds tumor incidence is insignificant. Hemizygotes on a mixed B6,SJL background (but not on the C57BL/6 background) develop an autoimmune disease characterized by immune complex glomerulonephritis, anti-nuclear antibodies, lymphadenopathy, and myocardial infarction.

#### + Development

#### + Expression Data

#### + Control Suggestions

#### + Selected References

### - Genetics

#### + Tg(BCL2)36Wehi

### - Disease/Phenotype

#### + Disease Terms

#### + Research Areas By Phenotype

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

## [- Technical Support](#)

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

Standard PCR: [Tg\(BCL2\)](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

This strain is maintained by mating hemizygous mice with C57BL/6J mice or wildtype siblings. Expected coat color from breeding: Black

[Additional Breeding and Husbandry Support](#)

### Appearance

black

Related Genotype: *a/a*

### Citation

When using the bcl-2-36 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002321 in your Materials and Methods section.

### Animal Health Reports

[Facility Barrier Level Descriptions](#)

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200*

## [- Pricing & Availability](#)



Cryo  
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

## Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

### Cryorecovery - Domestic Pricing

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Hemizygous or Non carrier for Tg(BCL2)36Wehi	\$2,854.50

## Payment Terms and Conditions

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## Terms Of Use

### Terms Of Use

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

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