

CNCr.129P2-Cd40^{tm1Kik}/J

Stock No: 002927 | CD40 KO

 Congenic, Targeted Mutation

Please contact Technical Support for more information

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Donating Investigator

Dr. Hitoshi Kikutani, Osaka University

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GENETIC OVERVIEW

Genetic Background

Generation

Cd40^{tm1Kik}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Cd40

CD40 antigen

VIEW GENETICS

RESEARCH APPLICATIONS

Sensorineural Research

Cancer Research

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

Details

Detailed Description

Mice homozygous for the targeted mutation are viable and fertile. Homozygous mutant mice exhibit impaired immunoglobulin class switching and germinal center formation.

Control Suggestions

Selected References

Genetics

Cd40^{tm1Kik}

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:[Cd40](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred together, or to wildtype mice from the colony. Alternatively, homozygous mice may be bred together. The expected coat color from breeding is albino.

Additional Breeding and Husbandry Support

Appearance

albino

Related Genotype: *Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c*

Citation

When using the CD40 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002927 in your Materials and Methods section.

STRAIN INTEREST REGISTRATION

Please fill out the form below to indicate your interest in purchasing this JAX®Mice strain.

This information helps us manage the colony build and better meet the broad needs of the research community.

Please send any technical questions to [Technical Support](#).

CONTACT INFORMATION

First Name

Last Name

Institution

Phone Number

Email

INTEREST

Please indicate your approximate levels of interest. You can add another line by selecting "Add More Interest".

Number of Mice

Frequency

Product

Comment

Frequency...

Products...

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LICENSING INFORMATION

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