

### C57BL/6J-Card14<sup>em5Lutz</sup>/J

Stock No: **028882** | Card14ΔE138 secondary line

 Coisogenic, Endonuclease-Mediated Mutation

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

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138. These mice may be suitable for use in studies related to the IL-23/IL-17 axis in inflammation.

The Jackson Laboratory Repository distributes another (primary) strain carrying the same Card14ΔE138 mutation: (Stock No. [028900](#)).

#### Donating Investigator

Mark Mellett, University Hospital Zurich

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## GENETIC OVERVIEW

Genetic Background

Generation

### Card14<sup>em5Lutz</sup>

**Alele Type**

Endonuclease-mediated  
(Humanized sequence)

**Gene Symbol**

Card14

**Gene Name**

caspase recruitment domain family, member 14

VIEW GENETICS

## RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

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

This CRISPR/Cas9 generated point mutant of the *Card14* (caspase recruitment domain family, member 14 ), carries deletion of a specific GAG codon from exon 6 that results in the deletion of the glutamic acid (E) at position 138. The *Card14* gene encodes a scaffold protein that is a regulator of apoptosis and may have a role in innate immunity. Mutations in this gene, specifically of the single glutamic acid (E138) in the coiled-coil domain, have been associated with psoriasis and pityriasis rubra pilaris. As the mice are characterized, we will modify the strain description and add phenotype data. Homozygous viability/fertility has not been tested (June 2018).

Creation and development of this strain was supported by the Rare Genomics Institute's BeHEARD (Helping Empower and Accelerate Research Discoveries) Initiative. The Jackson Laboratory was a 2016/2017 BeHEARD Technology Sponsor.

#### + Development

#### + Control Suggestions

#### + Selected References

### – Genetics

#### + *Card14*<sup>em5Lutzy</sup>

### – Disease/Phenotype

#### + Disease Terms

[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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

End Point Analysis:[Card14](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

Heterozygotes may be bred to C57BL/6J (Stock No. [000664](#)), or wildtype littermates. As the mice are characterized, we will modify the strain description if necessary and add data related to viability and fertility. Homozygous viability/fertility has not been tested (June 2018).

[Additional Breeding and Husbandry Support](#)

### Citation

When using the Card14 $\Delta$ E138 secondary line mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #028882 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.

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Pricing effective for USA, Canada and Mexico shipping destinations

**CRYORECOVERY - DOMESTIC PRICING**

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or wildtype for Card14<em>Lutzky>	\$2,854.50

RELATED PRODUCTS AND SERVICES		
<a href="#">Frozen Mouse Embryo</a>	C57BL/6J-Card14<em>Lutzky>/J	\$2595.00

## PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

## Terms Of Use

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

### ADDITIONAL USE RESTRICTIONS APPLY

The use of this mouse model is subject to the terms and conditions of the Limited License from The Broad Institute.

The use of this mouse model is subject to the terms and conditions of the Limited Use Label License from Caribou Biosciences, Inc.

### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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