



B 6 . 1 2 9 / ~~Sy~~ ^{tm1Cgn} / J

Stock No: 002288 | muMt -

Congenic, Targeted Mutation



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[Overview](#)



Also Known As: μ Mt⁻

Homozygous mutant mice lack mature B cells. There is no expression of membrane-bound IgM, although some B cells may be produced using a C gene other than *mu*. It may be useful as a model for B cell immunodeficiency found in humans.

Donating Investigator

Klaus Rajewsky, Max Delbrück Centre for Molecular Medicine

READ MORE +

GENETIC OVERVIEW

Genetic Background Generation
[Contact Technical Support](#)
(2018-07-27 00:00:00)

Ighm^{tm1Cgn}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Ighm</i>	immunoglobulin heavy constant mu

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research
Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$130.81 Domestic price for female 3-week

V I E W P R I C E L I S T

Details

Detailed Description

Mice homozygous for the *Ighm*^{tm1Cgn} targeted mutation are viable and fertile. Homozygous mutant mice lack mature B cells. There is no expression of membrane-bound IgM, although some B cells may be produced using a C gene other than *mu*. It may be useful as a model for B cell immunodeficiency found in humans. Also known as *muMT*.

Development

Control Suggestions

Selected References

Genetics

Ighm^{tm1Cgn}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

C H A T O F F L I N E

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: [Ighm^{tm1Cgn}](#)

Standard PCR: [Ighm^{tm1Cgn}](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

This strain is a good breeder.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Appearance

black

Related Genotype: *a/a*

Citation

When using the m^{tm1Cgn} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002288 in your

Materials and Methods section.

[Facility Barrier Level Descriptions](#)

 [RB16 \(Maximum\)](#)

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Live Mouse			
AGE	SEX	GENOTYPE	PRICE
3 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$130.81
	Male	Homozygous for Ighm ^{tm1Cgn}	\$130.81
4 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$130.81
	Male	Homozygous for Ighm ^{tm1Cgn}	\$130.81
5 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$130.81
	Male	Homozygous for Ighm ^{tm1Cgn}	\$130.81
6 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$135.96
	Male	Homozygous for Ighm ^{tm1Cgn}	\$135.96
7 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$141.11
	Male	Homozygous for Ighm ^{tm1Cgn}	\$141.11
8 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$146.26
	Male	Homozygous for Ighm ^{tm1Cgn}	\$146.26
9 weeks	Female	Homozygous for Ighm ^{tm1Cgn}	\$151.41

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Email: TechTran@jax.org

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