

B6.Cg-Tg(APPswe,PSEN1dE9)85Dbo/Mmjax CB043

mES cells

MMRRC Stock No: **37567-JAX**

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mutations.

Donating Investigator

Laura Reinholdt, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

Generation

VIEW GENETICS

RESEARCH APPLICATIONS

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Details

Detailed Description

The CB043 embryonic stem cell line was established using day 3.5 blastocysts from a cross between a hemizygous B6.Cg-Tg(APPswe,PSEN1dE9)85Dbo/Mmjax female (MMRRC #034832/JAX#005864) and a C57BL/6J male. This cross resulted

in biological replicates that are hemizygous for Tg(APP^{swe},PSEN1^{dE9})85Dbo (MMRRC#037566, #037568) as well as a wild type control (MMRRC#03764, #037565). These cell lines have been proven useful in in vitro experiments directed towards differentiation of ESCs to cortical neurons. The APP^{swe} and PSEN1^{dE9} transgenes are also available as ESC lines generated from various crosses (see MMRRC#037546 to #037550 and #037551 to #037553). Cell lines were derived and maintained on mitomycin-C treated mouse embryonic fibroblast feeder cells (MEFs) derived from C57BL/6J embryos. This cell line was not germline tested.

+ Development

- Genetics

Currently there are no related genes or alleles for this strain.

- 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

[Genotyping resources and troubleshooting](#)

Citation

When using the B6.Cg-Tg(APP^{swe},PSEN1^{dE9})85Dbo/Mmjax CB043 mES cells mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #37567 in your Materials and Methods section.

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INTEREST

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Number of Mice

Frequency

Product

Comment

Frequency...

Products...

A D D M O R E I N T E R E S T

S U B M I T

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