

# JamC -/- Mouse

**Catalogue number:** 151562

**Sub-type:** Mouse

**Images:**

## Contributor

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** JamC -/- Mouse

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** In vivo study of JAM-C knockout; in vivo study of spermiogenesis; in vivo study of neuronal networks and integrity

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:** Knock-Out

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** A JamC targeting vector, containing loxP flanked exons 4, 5, and a cDNA encoding exons 6 to 9, an exon 4 - reporter fusion, and a frt flanked resistance cassette, was injected into E14 ES cells. Properly targeted ES cells containing a homologous recombination event were selected, cloned, and injected into C57BL6 blastocysts. Chimeric offspring were mated to C57BL6 mice, and floxed JamC lines maintained on a mixed 129/C57BL6 background. Floxed JamC mice were

crossed with Cre expressing mice to generate heterozygous JamC<sup>+/-</sup> mice. Heterozygous JamC<sup>+/-</sup> mice were interbred to generate JamC<sup>-/-</sup> mice.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Mice are maintained as heterozygotes (JamC<sup>+/-</sup>) to permit breeding (due to male fertility defects in JamC<sup>-/-</sup> mice).

## Target details

**Target:** Junctional adhesion molecule-C (JAM-C)

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

# References

References:

CancerTools.org