

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 29, 2026

C;129S-Adora2a^{tm1Jfc}/J

RRID:IMSR_JAX:010685

Type: Organism

Proper Citation

RRID:IMSR_JAX:010685

Organism Information

URL: <https://www.jax.org/strain/010685>

Proper Citation: RRID:IMSR_JAX:010685

Description: Mus musculus with name C;129S-Adora2a^{tm1Jfc}/J from IMSR.

Species: Mus musculus

Synonyms: C;129-Adora2a/J

Notes: gene symbol note: adenosine A2a receptor; mutant stock: Adora2a

Affected Gene: adenosine A2a receptor

Genomic Alteration: targeted mutation 1; Jiang-Fan Chen

Catalog Number: JAX:010685

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C;129S-Adora2a^{tm1Jfc}/J

Record Creation Time: 20250513T053717+0000

Record Last Update: 20260829T045012+0000

Ratings and Alerts

No rating or validation information has been found for C;129S-Adora2a^{tm1Jfc}/J.

No alerts have been found for C;129S-Adora2a^{tm1Jfc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Toller-Kawahisa JE, et al. (2025) Metabolic reprogramming of macrophages by PKM2 promotes IL-10 production via adenosine. Cell reports, 44(1), 115172.

Nascimento DC, et al. (2021) Sepsis expands a CD39+ plasmablast population that promotes immunosuppression via adenosine-mediated inhibition of macrophage antimicrobial activity. Immunity, 54(9), 2024.

Ruan CC, et al. (2018) A2A Receptor Activation Attenuates Hypertensive Cardiac Remodeling via Promoting Brown Adipose Tissue-Derived FGF21. Cell metabolism, 28(3), 476.

Hirata Y, et al. (2018) CD150^{high} Bone Marrow Tregs Maintain Hematopoietic Stem Cell Quiescence and Immune Privilege via Adenosine. Cell stem cell, 22(3), 445.