

Resource Summary Report

Generated by [nidm-terms](#) on Aug 26, 2026

C.129S1(B6)-Gata1^{tm6Sho}/J

RRID:IMSR_JAX:005653

Type: Organism

Proper Citation

RRID:IMSR_JAX:005653

Organism Information

URL: <https://www.jax.org/strain/005653>

Proper Citation: RRID:IMSR_JAX:005653

Description: Mus musculus with name C.129S1(B6)-Gata1^{tm6Sho}/J from IMSR.

Species: Mus musculus

Synonyms: C.Cg-Gata1/J

Notes: gene symbol note: GATA binding protein 1; mutant strain|congenic strain: Gata1

Affected Gene: GATA binding protein 1

Genomic Alteration: targeted mutation 6; Stuart Orkin

Catalog Number: JAX:005653

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.129S1(B6)-Gata1^{tm6Sho}/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050600+0000

Ratings and Alerts

No rating or validation information has been found for C.129S1(B6)-Gata1^{tm6Sho}/J.

No alerts have been found for C.129S1(B6)-Gata1^{tm6Sho}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Bessell E, et al. (2024) Stromal cell and B cell dialogue potentiates IL-33-enriched lymphoid niches to support eosinophil recruitment and function during type 2 immunity. Cell reports, 43(8), 114620.

Diny NL, et al. (2023) Hypereosinophilia causes progressive cardiac pathologies in mice. iScience, 26(10), 107990.

Ignacio A, et al. (2022) Small intestinal resident eosinophils maintain gut homeostasis following microbial colonization. Immunity, 55(7), 1250.

Bohrer AC, et al. (2021) Eosinophils are part of the granulocyte response in tuberculosis and promote host resistance in mice. The Journal of experimental medicine, 218(10).

Saxton SN, et al. (2020) Interleukin-33 rescues perivascular adipose tissue anticontractile function in obesity. American journal of physiology. Heart and circulatory physiology, 319(6), H1387.

Choi HS, et al. (2020) Innate Lymphoid Cells Play a Pathogenic Role in Pericarditis. Cell reports, 30(9), 2989.

Lee EH, et al. (2018) Eosinophils support adipocyte maturation and promote glucose tolerance in obesity. Scientific reports, 8(1), 9894.