

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J

RRID:IMSR_JAX:016959

Type: Organism

Proper Citation

RRID:IMSR_JAX:016959

Organism Information

URL: <https://www.jax.org/strain/016959>

Proper Citation: RRID:IMSR_JAX:016959

Description: Mus musculus with name B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J from IMSR.

Species: Mus musculus

Synonyms: B6.129(Cg)-Foxp3/J

Notes: gene symbol note: |forkhead box P3; mutant strain|congenic strain: |Foxp3

Affected Gene: |forkhead box P3

Genomic Alteration: targeted mutation 4; Alexander Y Rudensky

Catalog Number: JAX:016959

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260905T044514+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J.

No alerts have been found for B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 118 mentions in open access literature.

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

Xie X, et al. (2026) Eos plays a critical role in Treg homeostasis and modulates the function of recirculating thymic Tregs in the control of Treg development. *Cell reports*, 45(1), 116838.

Hao Y, et al. (2026) SENP1 facilitates the adaptation of colonic non-lymphoid tissue Treg cells and restrains intestinal inflammation. *Mucosal immunology*, 100349.

Murakami R, et al. (2026) Foxp3 and BATF cooperatively direct cis-regulatory programs and gene expression for effector Treg cell differentiation. *Immunity*, 59(5), 1253.

Zhu L, et al. (2026) Bach2 antagonizes leukotriene B4-Ltb4r1-JunB signaling to constrain Tfh13 cell differentiation. *Cell reports*, 45(4), 117220.

Zhang P, et al. (2026) Sympathetic-epithelial crosstalk governs tissue-resident memory T cell immunosurveillance in the skin. *Cell*, 189(5), 1323.

Roy S, et al. (2025) BLIMP1 negatively regulates IL-2 signaling in T cells. *Science advances*, 11(29), eadx8105.

Wang K, et al. (2025) ATF4 drives regulatory T cell functional specification in homeostasis and obesity. *Science immunology*, 10(105), eadp7193.

Lanzar ZR, et al. (2025) IL-27 promotes Treg cell expression of CD122 and fitness at homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(50), e2519141122.

Janssen E, et al. (2025) DOCK8 in T cells promotes Th17 and Treg cell functionality to restrain mucosal mast cells and limit susceptibility to oral anaphylaxis. *Immunity*, 58(7), 1794.

Martinez F, et al. (2025) Follicular regulatory T cells promote experimental autoimmune encephalomyelitis by supporting B cell egress from germinal centers. *Science translational medicine*, 17(813), eady1268.

Lambert F, et al. (2025) Antibody-mediated TGF- β 1 activation for the treatment of diseases caused by deleterious T cell activity. *Cell reports*, 44(8), 116061.

Benamar M, et al. (2025) Notch3 destabilizes regulatory T cells to drive autoimmune neuroinflammation in multiple sclerosis. *Immunity*, 58(11), 2753.

Lemarquis AL, et al. (2025) Recirculating regulatory T cells mediate thymic regeneration through amphiregulin following damage. *Immunity*, 58(2), 397.

Suzuki K, et al. (2025) Loss of TET function in T regulatory cells yields ex-Treg cells biased toward T follicular helper cells, causing autoimmune diseases through autoantibody production. *bioRxiv : the preprint server for biology*.

Kandasamy M, et al. (2025) Glycogen synthase kinase-3 is essential for Treg development and function. *Cell reports*, 44(9), 116256.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. *Cell*.

Benmeharek MR, et al. (2025) Anti-vascular endothelial growth factor treatment potentiates immune checkpoint blockade through a BAFF- and IL-12-dependent reprogramming of the TME. *Immunity*, 58(4), 926.

Elkins C, et al. (2025) Obesity reshapes regulatory T cells in the visceral adipose tissue by disrupting cellular cholesterol homeostasis. *Science immunology*, 10(103), ead14909.

Lai X, et al. (2025) Targeting DAP5 Disrupts Alternate Mode of Translational Initiation in Tregs and Potentiates Antitumor Immunity. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e20625.

Fahlquist-Hagert C, et al. (2024) T-follicular regulatory cells expand to control germinal center plasma cell output but fail to curb autoreactivity. *iScience*, 27(10), 110887.