

Resource Summary Report

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B6.129(Cg)-Foxp3^{tm3(HBEGF/GFP)}Ayr/J

RRID:IMSR_JAX:016958

Type: Organism

Proper Citation

RRID:IMSR_JAX:016958

Organism Information

URL: <https://www.jax.org/strain/016958>

Proper Citation: RRID:IMSR_JAX:016958

Description: Mus musculus with name B6.129(Cg)-Foxp3^{tm3(HBEGF/GFP)}Ayr/J from IMSR.

Species: Mus musculus

Synonyms: B6N.129(Cg)-Foxp3/J. B6.129(Cg)-Foxp3/J. B6.129(Cg)-Foxp3/J

Notes: gene symbol note: forkhead box P3|Simian Diphtheria Toxin Receptor; Enhanced Green Fluorescent Protein; mutant strain|congenic strain: Foxp3|DTR/EGFP

Affected Gene: forkhead box P3|Simian Diphtheria Toxin Receptor; Enhanced Green Fluorescent Protein

Genomic Alteration: targeted mutation 3; Alexander Y Rudensky

Catalog Number: JAX:016958

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Foxp3^{tm3(HBEGF/GFP)}Ayr/J

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260725T044439+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Foxp3^{tm3(HBEGF/GFP)}Ayr/J.

No alerts have been found for B6.129(Cg)-Foxp3^{tm3(HBEGF/GFP)}Ayr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 123 mentions in open access literature.

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

Huang X, et al. (2026) Opposing functions of distinct regulatory T cell subsets in colorectal cancer. *Immunity*, 59(1), 145.

Chen Z, et al. (2026) Fibroblast-derived alarmin promotes oral wound healing by activating regulatory T cells that relay pro-angiogenic and anti-inflammatory responses. *Cell reports*, 45(1), 116829.

Xiong W, et al. (2025) Depletion of myeloid-derived suppressor cells sensitizes murine multiple myeloma to PD-1 checkpoint inhibitors. *Journal for immunotherapy of cancer*, 13(1).

Gadwa J, et al. (2025) Divergent response to radio-immunotherapy is defined by intrinsic features of the tumor microenvironment. *Journal for immunotherapy of cancer*, 13(1).

Yarnoff KM, et al. (2025) Hypomethylating therapy mitigates acute allograft rejection in a murine lung transplant model. *Frontiers in transplantation*, 4, 1612523.

Kahn BM, et al. (2025) Intrinsic Properties of the Lymph Node Render It Immunologically Susceptible to Metastasis. *Cancer discovery*, 15(9), 1949.

Huang C, et al. (2025) Tolerogenic dendritic cell-mediated regulatory T cell differentiation by Chinese herbal formulation attenuates colitis progression. *Journal of advanced research*, 70, 499.

Hilaire M, et al. (2025) Neonatal regulatory T cells persist into adulthood across multiple tissues with high enrichment in the skin. *Science advances*, 11(40), eadx8037.

Kamatani T, et al. (2025) iPSCs engrafted in allogeneic hosts without immunosuppression induce donor-specific tolerance to secondary allografts. *Proceedings of the National Academy of Sciences of the United States of America*, 122(11), e2413398122.

Costa-Pereira S, et al. (2025) Regulatory T cells suppress GM-CSF-producing T helper cells via IL-2 modulation to restrain immunopathology. *Cell reports*, 44(5), 115642.

- Boutet M, et al. (2025) Mutations in MLL3 promote breast cancer progression via HIF1 α -dependent intratumoral recruitment and differentiation of regulatory T cells. *Immunity*, 58(8), 2035.
- Li S, et al. (2025) Protocol for multiplex immunofluorescence imaging of mouse intestinal tumors. *STAR protocols*, 6(2), 103776.
- Cheung JF, et al. (2025) Distinct T cell functions enable efficient immunoediting and prevent tumor emergence of developing sarcomas. *Cancer cell*, 43(12), 2311.
- Kimura N, et al. (2025) Regulatory T cell stability determines the efficiency of bile duct regeneration during cholangitis. *Cell reports*, 44(11), 116557.
- Kim DV, et al. (2025) E. coli-activated cellular circuit restrains intestinal inflammatory microbiota-specific T cells and protects against colitis. *Cell reports*, 44(10), 116332.
- Jheng MJ, et al. (2025) CCR8 $^{+}$ ST2 $^{+}$ tissue-resident regulatory T cells constrain type 2 immunity to environmental allergens in the lungs. *The Journal of allergy and clinical immunology*.
- Torres-Mejia E, et al. (2025) Lung Cancer-Intrinsic SOX2 Expression Mediates Resistance to Checkpoint Blockade Therapy by Inducing Treg-Dependent CD8 $^{+}$ T-cell Exclusion. *Cancer immunology research*, 13(4), 496.
- Lemarquis AL, et al. (2025) Recirculating regulatory T cells mediate thymic regeneration through amphiregulin following damage. *Immunity*, 58(2), 397.
- Lamorte S, et al. (2025) Lymph node macrophages drive immune tolerance and resistance to cancer therapy by induction of the immune-regulatory cytokine IL-33. *Cancer cell*, 43(5), 955.
- Mok S, et al. (2024) Post-immunotherapy CTLA-4 Ig treatment improves antitumor efficacy. *Proceedings of the National Academy of Sciences of the United States of America*, 121(27), e2404661121.