

Resource Summary Report

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B6.129P2(Cg)-Rorc^{tm2Litt/J}

RRID:IMSR_JAX:007572

Type: Organism

Proper Citation

RRID:IMSR_JAX:007572

Organism Information

URL: <https://www.jax.org/strain/007572>

Proper Citation: RRID:IMSR_JAX:007572

Description: Mus musculus with name B6.129P2(Cg)-Rorc^{tm2Litt/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: |RAR-related orphan receptor gamma; mutant strain|congenic strain: |Rorc

Affected Gene: |RAR-related orphan receptor gamma

Genomic Alteration: targeted mutation 2; Dan R Littman

Catalog Number: JAX:007572

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2(Cg)-Rorc^{tm2Litt/J}

Record Creation Time: 20250513T053702+0000

Record Last Update: 20260725T044415+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2(Cg)-Rorc^{tm2Litt/J}.

No alerts have been found for B6.129P2(Cg)-Rorc^{tm2Litt/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Wang M, et al. (2025) Gut microbiota protect against colorectal tumorigenesis through lncRNA Snhg9. Developmental cell.

Bai Y, et al. (2024) Shaping immune landscape of colorectal cancer by cholesterol metabolites. EMBO molecular medicine, 16(2), 334.

Wang L, et al. (2024) T-bet deficiency and Hic1 induction override TGF- β -dependency in the formation of CD103⁺ intestine-resident memory CD8⁺ T cells. Cell reports, 43(6), 114258.

Liang Z, et al. (2024) Intestinal CXCR6⁺ ILC3s migrate to the kidney and exacerbate renal fibrosis via IL-23 receptor signaling enhanced by PD-1 expression. Immunity, 57(6), 1306.

Valle-Noguera A, et al. (2023) IL-18-induced HIF-1 α in ILC3s ameliorates the inflammation of C. rodentium-induced colitis. Cell reports, 42(12), 113508.

Nishina T, et al. (2023) Interleukin 11 confers resistance to dextran sulfate sodium-induced colitis in mice. iScience, 26(2), 105934.

Riding AM, et al. (2022) Group 3 innate lymphocytes make a distinct contribution to type 17 immunity in bladder defence. iScience, 25(7), 104660.

Hall JA, et al. (2022) Transcription factor ROR γ enforces stability of the Th17 cell effector program by binding to a Rorc cis-regulatory element. Immunity, 55(11), 2027.

Vanderkerken M, et al. (2021) ILC3s control splenic cDC homeostasis via lymphotoxin signaling. The Journal of experimental medicine, 218(5).

Mathä L, et al. (2021) Migration of Lung Resident Group 2 Innate Lymphoid Cells Link Allergic Lung Inflammation and Liver Immunity. Frontiers in immunology, 12, 679509.

Polese B, et al. (2021) Prostaglandin E2 amplifies IL-17 production by Th17 T cells during barrier inflammation. Cell reports, 36(4), 109456.

Lu P, et al. (2021) Maternal aryl hydrocarbon receptor activation protects newborns against necrotizing enterocolitis. Nature communications, 12(1), 1042.

Xing C, et al. (2021) Microbiota regulate innate immune signaling and protective immunity against cancer. Cell host & microbe, 29(6), 959.

Brooks JF, et al. (2021) The microbiota coordinates diurnal rhythms in innate immunity with the circadian clock. *Cell*, 184(16), 4154.

Romera-Hernández M, et al. (2020) Yap1-Driven Intestinal Repair Is Controlled by Group 3 Innate Lymphoid Cells. *Cell reports*, 30(1), 37.

Kotov JA, et al. (2019) BCL6 corepressor contributes to Th17 cell formation by inhibiting Th17 fate suppressors. *The Journal of experimental medicine*, 216(6), 1450.

Eftychi C, et al. (2019) Temporally Distinct Functions of the Cytokines IL-12 and IL-23 Drive Chronic Colon Inflammation in Response to Intestinal Barrier Impairment. *Immunity*, 51(2), 367.

Yang D, et al. (2019) Dysregulated Lung Commensal Bacteria Drive Interleukin-17B Production to Promote Pulmonary Fibrosis through Their Outer Membrane Vesicles. *Immunity*, 50(3), 692.

Zhang H, et al. (2019) CD109 Restrains Activation of Cutaneous IL-17-Producing ?? T Cells by Commensal Microbiota. *Cell reports*, 29(2), 391.

Buchele V, et al. (2018) Targeting Inflammatory T Helper Cells via Retinoic Acid-Related Orphan Receptor Gamma t Is Ineffective to Prevent Allo-Response-Driven Colitis. *Frontiers in immunology*, 9, 1138.