

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

ICR;129-Gpr30^{tm1}

RRID:IMSR_CARD:564

Type: Organism

Proper Citation

RRID:IMSR_CARD:564

Organism Information

URL: <https://cardmice.com/rbase/strain?strainid=564>

Proper Citation: RRID:IMSR_CARD:564

Description: Mus musculus with name ICR;129-Gpr30^{tm1} from IMSR.

Species: Mus musculus

Notes: gene symbol note: G protein-coupled estrogen receptor 1; mutant stock: Gper1

Affected Gene: G protein-coupled estrogen receptor 1

Genomic Alteration: targeted mutation 1

Catalog Number: CARD:564

Database: Center for Animal Resources and Development

Database Abbreviation: CARD

Availability: embryo

Organism Name: ICR;129-Gpr30^{tm1}

Record Creation Time: 20250513T061413+0000

Record Last Update: 20260725T052053+0000

Ratings and Alerts

No rating or validation information has been found for ICR;129-Gpr30^{tm1}.

No alerts have been found for ICR;129-Gpr30^{tm1}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Center for Animal Resources and Development

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Jarjour NN, et al. (2025) Collaboration between interleukin-7 and -15 enables adaptation of tissue-resident and circulating memory CD8+ T cells to cytokine deficiency. *Immunity*, 58(3), 616.

Murphy MK, et al. (2025) The transcriptional repressor BLIMP1 enforces TCF-1-dependent and -independent restriction of the memory fate of CD8+ T cells. *Immunity*, 58(10), 2472.

Allman A, et al. (2025) Splenic fibroblasts control marginal zone B cell movement and function via two distinct Notch2-dependent regulatory programs. *Immunity*, 58(1), 143.

Scott MC, et al. (2025) Deep profiling deconstructs features associated with memory CD8+ T cell tissue residence. *Immunity*, 58(1), 162.

Shen C, et al. (2025) ALKBH1 drives tumorigenesis and drug resistance via tRNA decoding reprogramming and codon-biased translation. *Cancer discovery*.

Li C, et al. (2025) Integrin CD103 expression in naive CD8+ T cells promotes cytokine-driven acquisition of memory phenotype and effector function. *Immunity*.

Cole AC, et al. (2025) Adoptively transferred Th17 cells cooperate with host B cells to achieve durable tumor immunity. *Cancer cell*, 43(9), 1697.

Abdullah L, et al. (2025) The endogenous antigen-specific CD8+ T cell repertoire is composed of unbiased and biased clonotypes with differential fate commitments. *Immunity*, 58(3), 601.

Westfall S, et al. (2025) A type 1 immune-stromal cell network mediates disease tolerance against intestinal infection. *Cell*, 188(12), 3135.

Mills KAM, et al. (2024) GM-CSF-mediated epithelial-immune cell crosstalk orchestrates pulmonary immunity to *Aspergillus fumigatus*. *bioRxiv : the preprint server for biology*.

Pritchard JE, et al. (2024) Non-canonical Hedgehog signaling mediates profibrotic hematopoiesis-stroma crosstalk in myeloproliferative neoplasms. *Cell reports*, 43(1), 113608.

Zhang K, et al. (2024) VISTA promotes the metabolism and differentiation of myeloid-derived suppressor cells by STAT3 and polyamine-dependent mechanisms. *Cell reports*,

43(1), 113661.

Cabezudo D, et al. (2023) Mutant LRRK2 exacerbates immune response and neurodegeneration in a chronic model of experimental colitis. *Acta neuropathologica*, 146(2), 245.

Han L, et al. (2023) METTL16 drives leukemogenesis and leukemia stem cell self-renewal by reprogramming BCAA metabolism. *Cell stem cell*, 30(1), 52.

Li Y, et al. (2023) TET2-mediated mRNA demethylation regulates leukemia stem cell homing and self-renewal. *Cell stem cell*, 30(8), 1072.

Johansson K, et al. (2023) An essential role for miR-15/16 in Treg suppression and restriction of proliferation. *Cell reports*, 42(10), 113298.

Peng C, et al. (2022) Engagement of the costimulatory molecule ICOS in tissues promotes establishment of CD8⁺ tissue-resident memory T cells. *Immunity*, 55(1), 98.

Harabuchi S, et al. (2022) Manipulation of diacylglycerol and ERK-mediated signaling differentially controls CD8⁺ T cell responses during chronic viral infection. *Frontiers in immunology*, 13, 1032113.

Wolf EW, et al. (2022) GPR174 signals via G α s to control a CD86-containing gene expression program in B cells. *Proceedings of the National Academy of Sciences of the United States of America*, 119(23), e2201794119.

Kovacs MA, et al. (2022) Meningeal lymphatic drainage promotes T cell responses against *Toxoplasma gondii* but is dispensable for parasite control in the brain. *eLife*, 11.