

Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

[B6.129S2\(C\)-Stat6^{tm1Gru/J}](#)

RRID:IMSR_JAX:005977

Type: Organism

Proper Citation

RRID:IMSR_JAX:005977

Organism Information

URL: <https://www.jax.org/strain/005977>

Proper Citation: RRID:IMSR_JAX:005977

Description: Mus musculus with name B6.129S2(C)-Stat6^{tm1Gru/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: signal transducer and activator of transcription 6; mutant strain|congenic strain: Stat6

Affected Gene: signal transducer and activator of transcription 6

Genomic Alteration: targeted mutation 1; Michael J Grusby

Catalog Number: JAX:005977

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S2(C)-Stat6^{tm1Gru/J}

Record Creation Time: 20250513T053653+0000

Record Last Update: 20260801T050358+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2(C)-Stat6^{tm1Gru/J}.

No alerts have been found for B6.129S2(C)-Stat6^{tm1Gru/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Jean EE, et al. (2025) Myeloid-derived IL-33 drives ?? T cell-dependent resistance against cutaneous infection by *Strongyloides ratti*. *Journal of immunology* (Baltimore, Md. : 1950), 214(3), 502.

Ashayeripanah M, et al. (2025) Interleukin 4 selectively expands functional type 1 conventional dendritic cells from bone marrow progenitors. *Cell reports*, 45(1), 116772.

Zhou Z, et al. (2024) Type 2 cytokine signaling in macrophages protects from cellular senescence and organismal aging. *Immunity*, 57(3), 513.

Shehata L, et al. (2024) Interleukin-4 downregulates transcription factor BCL6 to promote memory B cell selection in germinal centers. *Immunity*.

Li S, et al. (2023) Interleukin-13 and its receptor are synaptic proteins involved in plasticity and neuroprotection. *Nature communications*, 14(1), 200.

Peng J, et al. (2022) Monocytes maintain central nervous system homeostasis following helminth-induced inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, 119(37), e2201645119.

van der Vlist M, et al. (2022) Macrophages transfer mitochondria to sensory neurons to resolve inflammatory pain. *Neuron*, 110(4), 613.

Agaronyan K, et al. (2022) Tissue remodeling by an opportunistic pathogen triggers allergic inflammation. *Immunity*, 55(5), 895.

Rosa BA, et al. (2021) Whipworm-Associated Intestinal Microbiome Members Consistent Across Both Human and Mouse Hosts. *Frontiers in cellular and infection microbiology*, 11, 637570.

Toulmin SA, et al. (2021) Type II alveolar cell MHCII improves respiratory viral disease outcomes while exhibiting limited antigen presentation. *Nature communications*, 12(1), 3993.

Kochanowsky JA, et al. (2021) ROP16-Mediated Activation of STAT6 Suppresses Host Cell Reactive Oxygen Species Production, Facilitating Type III *Toxoplasma gondii* Growth and Survival. *mBio*, 12(2).

Desai P, et al. (2021) Enteric helminth coinfection enhances host susceptibility to neurotropic flaviviruses via a tuft cell-IL-4 receptor signaling axis. *Cell*, 184(5), 1214.

Chen Z, et al. (2021) Interleukin-33 Promotes Serotonin Release from Enterochromaffin Cells for Intestinal Homeostasis. *Immunity*, 54(1), 151.

Ferrer-Font L, et al. (2020) High-dimensional analysis of intestinal immune cells during helminth infection. *eLife*, 9.

Carneiro MB, et al. (2020) Th1-Th2 Cross-Regulation Controls Early Leishmania Infection in the Skin by Modulating the Size of the Permissive Monocytic Host Cell Reservoir. *Cell host & microbe*, 27(5), 752.

Yu S, et al. (2020) Paneth Cell-Derived Lysozyme Defines the Composition of Mucolytic Microbiota and the Inflammatory Tone of the Intestine. *Immunity*, 53(2), 398.

Gaylo-Moynihan A, et al. (2019) Programming of Distinct Chemokine-Dependent and -Independent Search Strategies for Th1 and Th2 Cells Optimizes Function at Inflamed Sites. *Immunity*, 51(2), 298.

Pagan JD, et al. (2018) Engineered Sialylation of Pathogenic Antibodies In Vivo Attenuates Autoimmune Disease. *Cell*, 172(3), 564.

Cereijo R, et al. (2018) CXCL14, a Brown Adipokine that Mediates Brown-Fat-to-Macrophage Communication in Thermogenic Adaptation. *Cell metabolism*, 28(5), 750.

Lu Y, et al. (2018) Th9 Cells Represent a Unique Subset of CD4⁺ T Cells Endowed with the Ability to Eradicate Advanced Tumors. *Cancer cell*, 33(6), 1048.