

Resource Summary Report

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B6.129S7-Rag1^{tm1Mom}/J

RRID:IMSR_JAX:002216

Type: Organism

Proper Citation

RRID:IMSR_JAX:002216

Organism Information

URL: <https://www.jax.org/strain/002216>

Proper Citation: RRID:IMSR_JAX:002216

Description: Mus musculus with name B6.129S7-Rag1^{tm1Mom}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: recombination activating 1; mutant strain|congenic strain: Rag1

Affected Gene: recombination activating 1

Genomic Alteration: targeted mutation 1; Peter Mombaerts

Catalog Number: JAX:002216

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Organism Name: B6.129S7-Rag1^{tm1Mom}/J

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Rag1^{tm1Mom}/J.

No alerts have been found for B6.129S7-Rag1^{tm1Mom}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 644 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Ngo VL, et al. (2024) Intestinal microbiota programming of alveolar macrophages influences severity of respiratory viral infection. *Cell host & microbe*, 32(3), 335.

Zhu X, et al. (2024) The nutrient-sensing Rag-GTPase complex in B cells controls humoral immunity via TFEB/TFE3-dependent mitochondrial fitness. *bioRxiv : the preprint server for biology*.

Swaminathan S, et al. (2024) LAG-3- and CXCR5-expressing CD4 T cells display progenitor-like properties during chronic visceral leishmaniasis. *Cell reports*, 43(3), 113879.

Li R, et al. (2024) Suppression of adaptive NK cell expansion by macrophage-mediated phagocytosis inhibited by 2B4-CD48. *Cell reports*, 43(3), 113800.

Tamari M, et al. (2024) Sensory neurons promote immune homeostasis in the lung. *Cell*, 187(1), 44.

Deng Q, et al. (2024) SMARCA4 is a haploinsufficient B cell lymphoma tumor suppressor that fine-tunes centrocyte cell fate decisions. *Cancer cell*.

Cha J, et al. (2024) Skin microbe-dependent TSLP-ILC2 priming axis in early life is co-opted in allergic inflammation. *Cell host & microbe*, 32(2), 244.

Cheng C, et al. (2023) Interplay Between Liver Type 1 Innate Lymphoid Cells and NK Cells Drives the Development of Alcoholic Steatohepatitis. *Cellular and molecular gastroenterology and hepatology*, 15(1), 261.

Ayodeji SA, et al. (2023) Hyperglycemia and O-GlcNAc transferase activity drive a cancer stem cell pathway in triple-negative breast cancer. *Cancer cell international*, 23(1), 102.

Aso K, et al. (2023) Itaconate ameliorates autoimmunity by modulating T cell imbalance via metabolic and epigenetic reprogramming. *Nature communications*, 14(1), 984.

Vereertbrugghen A, et al. (2023) An ocular Th1 immune response promotes corneal nerve damage independently of the development of corneal epitheliopathy. *Journal of neuroinflammation*, 20(1), 120.

Iyoda T, et al. (2023) Zeb2 regulates differentiation of long-lived effector of invariant natural killer T cells. *Communications biology*, 6(1), 1070.

Kuppan P, et al. (2023) Long-Term Survival and Induction of Operational Tolerance to Murine Islet Allografts by Co-Transplanting Cyclosporine A Microparticles and CTLA4-Ig. *Pharmaceutics*, 15(9).

Kemna J, et al. (2023) IFN γ binding to extracellular matrix prevents fatal systemic toxicity. *Nature immunology*, 24(3), 414.

Chaib M, et al. (2023) Protein kinase C delta regulates mononuclear phagocytes and hinders response to immunotherapy in cancer. *Science advances*, 9(51), eadd3231.

Moon JS, et al. (2023) Lrig1-expression confers suppressive function to CD4⁺ cells and is essential for averting autoimmunity via the Smad2/3/Foxp3 axis. *Nature communications*, 14(1), 5382.

Thomann AS, et al. (2023) A B cell-driven EAE mouse model reveals the impact of B cell-derived cytokines on CNS autoimmunity. *Proceedings of the National Academy of Sciences of the United States of America*, 120(47), e2300733120.

Dar AA, et al. (2023) c-Myc uses Cul4b to preserve genome integrity and promote antiviral CD8⁺ T cell immunity. *Nature communications*, 14(1), 7098.

Gravina A, et al. (2023) Protection of cell therapeutics from antibody-mediated killing by CD64 overexpression. *Nature biotechnology*, 41(5), 717.

Suzuki Y, et al. (2023) IFN- γ production by brain-resident cells activates cerebral mRNA expression of a wide spectrum of molecules critical for both innate and T cell-mediated protective immunity to control reactivation of chronic infection with *Toxoplasma gondii*. *Frontiers in cellular and infection microbiology*, 13, 1110508.