

Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

C57BL/6J-Ticam1^{Lps2}/J

RRID:IMSR_JAX:005037

Type: Organism

Proper Citation

RRID:IMSR_JAX:005037

Organism Information

URL: <https://www.jax.org/strain/005037>

Proper Citation: RRID:IMSR_JAX:005037

Description: Mus musculus with name C57BL/6J-Ticam1^{Lps2}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-AW046014/J

Notes: gene symbol note: TIR domain containing adaptor molecule 1; coisogenic strain|mutant strain: Ticam1

Affected Gene: TIR domain containing adaptor molecule 1

Genomic Alteration: lipopolysaccharide 2

Catalog Number: JAX:005037

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Ticam1^{Lps2}/J

Record Creation Time: 20250513T053647+0000

Record Last Update: 20260808T050849+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Ticam1^{Lps2}/J.

No alerts have been found for C57BL/6J-Ticam1^{Lps2}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Levine JS, et al. (2026) Type I interferon-dependent and -independent signaling underlie autoantibody production in a murine lupus model. Journal of translational autoimmunity, 12, 100351.

Chan FHM, et al. (2025) Plasticity of cell death pathways ensures GSDMD activation during Yersinia pseudotuberculosis infection. Cell reports, 44(1), 115216.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. Cell.

Yeap HW, et al. (2025) A bacterial network of T3SS effectors counteracts host pro-inflammatory responses and cell death to promote infection. The EMBO journal, 44(9), 2424.

Purbey PK, et al. (2024) Opposing tumor-cell-intrinsic and -extrinsic roles of the IRF1 transcription factor in antitumor immunity. Cell reports, 43(6), 114289.

Magri Z, et al. (2024) CD14 is a decision-maker between Fas-mediated death and inflammation. Cell reports, 43(9), 114685.

Wu J, et al. (2024) Cecal necroptosis triggers lethal cardiac dysfunction in TNF-induced severe SIRS. Cell reports, 43(10), 114778.

Bhagwani AR, et al. (2023) A p53-TLR3 axis ameliorates pulmonary hypertension by inducing BMPR2 via IRF3. iScience, 26(2), 105935.

Liu S, et al. (2023) A tissue injury sensing and repair pathway distinct from host pathogen defense. Cell, 186(10), 2127.

Kotov DI, et al. (2023) Early cellular mechanisms of type I interferon-driven susceptibility to tuberculosis. Cell, 186(25), 5536.

Holubova J, et al. (2022) The Fim and FhaB adhesins play a crucial role in nasal cavity infection and Bordetella pertussis transmission in a novel mouse catarrhal infection model. PLoS pathogens, 18(4), e1010402.

Van Winkle JA, et al. (2022) Homeostatic interferon-lambda response to bacterial microbiota stimulates preemptive antiviral defense within discrete pockets of intestinal epithelium. *eLife*, 11.

George PJ, et al. (2022) The Th1/Tfh-like biased responses elicited by the rASP-1 innate adjuvant are dependent on TRIF and Type I IFN receptor pathways. *Frontiers in immunology*, 13, 961094.

Ataide MA, et al. (2022) Lymphatic migration of unconventional T cells promotes site-specific immunity in distinct lymph nodes. *Immunity*, 55(10), 1813.

Iberg CA, et al. (2022) TNF- α sculpts a maturation process in vivo by pruning tolerogenic dendritic cells. *Cell reports*, 39(2), 110657.

Erttmann SF, et al. (2022) The gut microbiota prime systemic antiviral immunity via the cGAS-STING-IFN-I axis. *Immunity*, 55(5), 847.

Chen K, et al. (2021) Extracellular CIRP activates STING to exacerbate hemorrhagic shock. *JCI insight*, 6(14).

Wong NR, et al. (2021) Resident cardiac macrophages mediate adaptive myocardial remodeling. *Immunity*, 54(9), 2072.

Hinman AE, et al. (2021) *Mycobacterium tuberculosis* canonical virulence factors interfere with a late component of the TLR2 response. *eLife*, 10.

Muendlein HI, et al. (2021) ZBP1 promotes LPS-induced cell death and IL-1 β release via RHIM-mediated interactions with RIPK1. *Nature communications*, 12(1), 86.