

Resource Summary Report

Generated by [NIF](#) on Sep 3, 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: 20260829T044938+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 [NIF](#) .

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.