

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

B6(Cg)-Sting1^{tm1.2Camb/J}

RRID:IMSR_JAX:025805

Type: Organism

Proper Citation

RRID:IMSR_JAX:025805

Organism Information

URL: <https://www.jax.org/strain/025805>

Proper Citation: RRID:IMSR_JAX:025805

Description: Mus musculus with name B6(Cg)-Sting1^{tm1.2Camb/J} from IMSR.

Species: Mus musculus

Synonyms: B6(Cg)-Tmem173/J

Notes: gene symbol note: stimulator of interferon response cGAMP interactor 1; mutant strain|congenic strain: Sting1

Affected Gene: stimulator of interferon response cGAMP interactor 1

Genomic Alteration: targeted mutation 1.2; John C Cambier

Catalog Number: JAX:025805

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-Sting1^{tm1.2Camb/J}

Record Creation Time: 20250513T053755+0000

Record Last Update: 20260829T045100+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Sting1^{tm1.2Camb/J}.

No alerts have been found for B6(Cg)-Sting1^{tm1.2Camb/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Arumugam P, et al. (2026) Mitochondrial transfer to granulocytic myeloid-derived suppressor cells augments immunosuppressive activity. *Cell reports*, 45(3), 117057.

Gago da Graça C, et al. (2026) B cell-derived type I interferon sustains T cell functionality upon strong TCR stimulation during chronic infection. *Immunity*.

Ng II, et al. (2025) Targeting WEE1 in tumor-associated dendritic cells potentiates antitumor immunity via the cGAS/STING pathway. *Cell reports*, 44(6), 115733.

Zhang Q, et al. (2025) Intravascular immune surveillance against viremia requires spatiotemporal coordination between Kupffer cells and ILC1s. *Cell reports*, 44(11), 116488.

Mardjuki R, et al. (2024) Identification of the extracellular membrane protein ENPP3 as a major cGAMP hydrolase and innate immune checkpoint. *Cell reports*, 43(5), 114209.

Chang F, et al. (2024) Development of nitroalkene-based inhibitors to target STING-dependent inflammation. *Redox biology*, 74, 103202.

Chibaya L, et al. (2024) Nanoparticle delivery of innate immune agonists combined with senescence-inducing agents promotes T cell control of pancreatic cancer. *Science translational medicine*, 16(762), eadj9366.

Dhillon P, et al. (2023) Increased levels of endogenous retroviruses trigger fibroinflammation and play a role in kidney disease development. *Nature communications*, 14(1), 559.

Audu CO, et al. (2022) Macrophage-specific inhibition of the histone demethylase JMJD3 decreases STING and pathologic inflammation in diabetic wound repair. *Cellular & molecular immunology*, 19(11), 1251.

de Mingo Pulido Á, et al. (2021) The inhibitory receptor TIM-3 limits activation of the cGAS-STING pathway in intra-tumoral dendritic cells by suppressing extracellular DNA uptake. *Immunity*, 54(6), 1154.

Olson GS, et al. (2021) Type I interferon decreases macrophage energy metabolism during mycobacterial infection. *Cell reports*, 35(9), 109195.

Baasch S, et al. (2021) Cytomegalovirus subverts macrophage identity. *Cell*, 184(14), 3774.

Lima-Junior DS, et al. (2021) Endogenous retroviruses promote homeostatic and inflammatory responses to the microbiota. *Cell*, 184(14), 3794.

Wu J, et al. (2021) APOL1 risk variants in individuals of African genetic ancestry drive endothelial cell defects that exacerbate sepsis. *Immunity*, 54(11), 2632.

Pandey S, et al. (2020) Pairwise Stimulations of Pathogen-Sensing Pathways Predict Immune Responses to Multi-adjuvant Combinations. *Cell systems*, 11(5), 495.

Chung KW, et al. (2019) Mitochondrial Damage and Activation of the STING Pathway Lead to Renal Inflammation and Fibrosis. *Cell metabolism*, 30(4), 784.

Moroishi T, et al. (2016) The Hippo Pathway Kinases LATS1/2 Suppress Cancer Immunity. *Cell*, 167(6), 1525.