

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 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: 20260801T050505+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 15 mentions in open access literature.

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

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 ??, 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.