

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

B6;CB-45SrRNA^{Gt(pU-21)}40Imeg

RRID:IMSR_CARD:494

Type: Organism

Proper Citation

RRID:IMSR_CARD:494

Organism Information

URL: <https://cardmice.com/rbase/strain?strainid=494>

Proper Citation: RRID:IMSR_CARD:494

Description: Mus musculus with name B6;CB-45SrRNA^{Gt(pU-21)}40Imeg from IMSR.

Species: Mus musculus

Notes: gene symbol note: 45S rRNA gene; mutant stock: 45SrRNA

Affected Gene: 45S rRNA gene

Catalog Number: CARD:494

Database: Center for Animal Resources and Development

Database Abbreviation: CARD

Availability: embryo

Organism Name: B6;CB-45SrRNA^{Gt(pU-21)}40Imeg

Record Creation Time: 20250513T061412+0000

Record Last Update: 20260815T054720+0000

Ratings and Alerts

No rating or validation information has been found for B6;CB-45SrRNA^{Gt(pU-21)}40Imeg.

No alerts have been found for B6;CB-45SrRNA^{Gt(pU-21)}40Imeg.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Center for Animal Resources and Development

Usage and Citation Metrics

We found 99 mentions in open access literature.

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

Polcik L, et al. (2026) CD49d governs immune synapse formation through actin rearrangements and synchronizes BCR signaling in CLL. *Blood*, 147(26), 3179.

López-Hernández L, et al. (2026) BCLAF1 links RNA splicing to ATF4-dependent metabolic adaptation in acute myeloid leukemia. *bioRxiv : the preprint server for biology*.

Braun LM, et al. (2025) Adiponectin reduces immune checkpoint inhibitor-induced inflammation without blocking anti-tumor immunity. *Cancer cell*, 43(2), 269.

Braun LM, et al. (2025) Protocol to study in vivo organ-specific migration of apoptotic splenocytes in mice with tumor and immune checkpoint inhibitor-induced colitis. *STAR protocols*, 6(2), 103878.

Amorós-Pérez M, et al. (2025) Lamin A/C Expression in Hematopoietic Cells Declines During Human Aging and Constrains Atherosclerosis in Mice. *Arteriosclerosis, thrombosis, and vascular biology*, 45(9), 1616.

Braun LM, et al. (2025) Protocol to study phagocytosis of apoptotic murine splenocytes by syngeneic antigen-presenting cells in vitro. *STAR protocols*, 6(3), 103903.

Dong H, et al. (2024) Targeting PRMT9-mediated arginine methylation suppresses cancer stem cell maintenance and elicits cGAS-mediated anticancer immunity. *Nature cancer*, 5(4), 601.

Morino-Koga S, et al. (2024) Transition of signal requirement in hematopoietic stem cell development from hemogenic endothelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, 121(31), e2404193121.

Lyons-Cohen MR, et al. (2023) Prolonged T cell - DC macro-clustering within lymph node microenvironments initiates Th2 cell differentiation in a site-specific manner. *bioRxiv : the preprint server for biology*.

Harris R, et al. (2023) TCF-1 regulates NKG2D expression on CD8 T cells during anti-tumor responses. *Cancer immunology, immunotherapy : CII*, 72(6), 1581.

Xie X, et al. (2023) Dose-dependent effect of GFI1 expression in the reconstitution and the differentiation capacity of HSCs. *Frontiers in cell and developmental biology*, 11, 866847.

Zani F, et al. (2023) The dietary sweetener sucralose is a negative modulator of T cell-mediated responses. *Nature*, 615(7953), 705.

Sawaki D, et al. (2023) Osteopontin promotes age-related adipose tissue remodeling through senescence-associated macrophage dysfunction. JCI insight, 8(8).

Bailey C, et al. (2023) Genetic and pharmaceutical targeting of HIF1 α allows combination immunotherapy to boost graft vs. leukemia without exacerbation graft vs. host disease. Cell reports. Medicine, 4(11), 101236.

Skokowa J, et al. (2022) A topological refactoring design strategy yields highly stable granulopoietic proteins. Nature communications, 13(1), 2948.

Mudalagiriappa S, et al. (2022) GM-CSF $^{+}$ Tc17 cells are required to bolster vaccine immunity against lethal fungal pneumonia without causing overt pathology. Cell reports, 41(4), 111543.

Pylaeva E, et al. (2022) During early stages of cancer, neutrophils initiate anti-tumor immune responses in tumor-draining lymph nodes. Cell reports, 40(7), 111171.

Douna H, et al. (2022) IFN γ -Stimulated B Cells Inhibit T Follicular Helper Cells and Protect Against Atherosclerosis. Frontiers in cardiovascular medicine, 9, 781436.

Valeri V, et al. (2022) B cell intrinsic and extrinsic factors impacting memory recall responses to SRBC challenge. Frontiers in immunology, 13, 873886.

Melo-Silva CR, et al. (2022) Interferon partly dictates a divergent transcriptional response in poxvirus-infected and bystander inflammatory monocytes. Cell reports, 41(8), 111676.