

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

C57BL/6NCrI

RRID:IMSR_CRL:027

Type: Organism

Proper Citation

RRID:IMSR_CRL:027

Organism Information

URL: <http://www.criver.com/products-services/basic-research/find-a-model/c57bl-6n-mouse>

Proper Citation: RRID:IMSR_CRL:027

Description: Mus musculus with name C57BL/6NCrI from IMSR.

Species: Mus musculus

Synonyms: C57BL/6NCrIBr. C57BL/6NCrIBR

Notes: gene symbol note: ; inbred strain:

Catalog Number: CRL:027

Database: Charles River Laboratories

Database Abbreviation: CRL

Availability: live

Organism Name: C57BL/6NCrI

Record Creation Time: 20250513T062409+0000

Record Last Update: 20260725T053145+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6NCrI.

No alerts have been found for C57BL/6NCrI.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Charles River Laboratories

Usage and Citation Metrics

We found 1154 mentions in open access literature.

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

Biswas D, et al. (2026) Common and distinct roles of AMPK γ isoforms in small-molecule activator-stimulated glucose uptake in mouse skeletal muscle. *Molecular metabolism*, 103, 102294.

Kurz L, et al. (2026) A common progenitor gives rise to fibroblastic reticular cells and vascular smooth muscle cells in murine lymph nodes. *The Journal of experimental medicine*, 223(2).

Zeng S, et al. (2026) Apolipoprotein E drives microglia activation in the development of autoimmune uveitis through up-regulation of peptidyl prolyl isomerase F. *Science advances*, 12(1), eaeb3991.

Leblanc E, et al. (2026) Identification of skeletal muscle stem cell adhesion motifs using spot-synthesis-based peptide arrays. *iScience*, 29(1), 114498.

Mirzaei R, et al. (2026) Spatial single-cell profiling identifies protein kinase C δ -expressing microglia with anti-tumor function in glioblastoma. *iScience*, 29(1), 114281.

Smahel M, et al. (2025) Spatial immune heterogeneity in a mouse tumor model after immunotherapy. *Cancer science*, 116(3), 622.

Wu B, et al. (2025) Mitochondrial reactive oxygen species regulate acetyl-CoA flux between cytokine production and fatty acid synthesis in effector T cells. *Cell reports*, 44(3), 115430.

Yamaguchi T, et al. (2025) Cycloalkane Incorporation Into the 2',4'-Bridge of Locked Nucleic Acid: Enhancing Nuclease Stability, Reducing Phosphorothioate Modifications, and Lowering Hepatotoxicity in Antisense Oligonucleotides. *JACS Au*, 5(10), 5111.

Boitard SE, et al. (2025) Sex-specific benefits of a combined supplementation of B vitamins, nicotinamide riboside, folate and cobalamin, in a murine model of heart failure. *Biology of sex differences*, 16(1), 82.

Ortiz SC, et al. (2025) *Cryptococcus* displays spore-specific uptake by alveolar epithelial cells. *mBio*, 16(11), e0183125.

Thompson JH, et al. (2025) The persistence of changes in insulin sensitivity and metabolic gene expression after acute exercise in male and female mice. *Current research in physiology*, 8, 100170.

Dahl K, et al. (2025) PET imaging of mitochondrial complex-I in the adenine-induced tubulointerstitial nephropathy mouse model using [18F]BCPP-BF. *EJNMMI radiopharmacy and chemistry*, 10(1), 66.

Fabrik I, et al. (2025) Glutamate utilization fuels rapid production of mitochondrial ROS in dendritic cells and drives systemic inflammation during tularemia. *Science advances*, 11(35), eadu6271.

Kang T, et al. (2025) Targeting pyruvate metabolism generates distinct CD8⁺ T cell responses to gammaherpesvirus and B lymphoma. *JCI insight*, 10(16).

Johari SD, et al. (2025) Inhibition of Aspartate α -Hydroxylase Enhances Anti-Tumor Immunity. *ImmunoTargets and therapy*, 14, 697.

Thirman HL, et al. (2025) Connecting chemical structure to single cell signaling profiles. *Communications biology*, 8(1), 1137.

Morath V, et al. (2025) PET-based tracking of CAR T cells and viral gene transfer using a cell surface reporter that binds to lanthanide complexes. *Nature biomedical engineering*, 9(11), 1886.

Schacht SS, et al. (2025) Activation and maturation of antigen-specific B cells in nonectopic lung infiltrates are independent of germinal center reactions in the draining lymph node. *Cellular & molecular immunology*, 22(6), 612.

Durbacz MZ, et al. (2025) Optimized genomic editing of a common Duchenne muscular dystrophy mutation in patient-derived muscle cells and a new humanized mouse model. *Molecular therapy. Nucleic acids*, 36(2), 102569.

Engel A, et al. (2025) A spatio-temporal brain miRNA expression atlas identifies sex-independent age-related microglial driven miR-155-5p increase. *Nature communications*, 16(1), 4588.