

Resource Summary Report

Generated by [kravitz2](#) on Aug 24, 2026

B6.129S-Cybb^{tm1Din/J}

RRID:IMSR_JAX:002365

Type: Organism

Proper Citation

RRID:IMSR_JAX:002365

Organism Information

URL: <https://www.jax.org/strain/002365>

Proper Citation: RRID:IMSR_JAX:002365

Description: Mus musculus with name B6.129S-Cybb^{tm1Din/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129S6-Cybb/J

Notes: gene symbol note: cytochrome b-245; beta polypeptide; mutant strain|congenic strain: Cybb

Affected Gene: cytochrome b-245; beta polypeptide

Genomic Alteration: targeted mutation 1; Mary C Dinauer

Catalog Number: JAX:002365

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S-Cybb^{tm1Din/J}

Record Creation Time: 20250513T053631+0000

Record Last Update: 20260815T050540+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Cybb^{tm1Din/J}.

No alerts have been found for B6.129S-Cybb^{tm1Din}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 110 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Davanzo GG, et al. (2026) Temporal control of macrophage pro-inflammatory phenotype by a biphasic HIF-1 α regulatory program. *Molecular cell*.

Perina D, et al. (2026) The DanRI regulatory system in uropathogenic *Escherichia coli* subverts neutrophil responses. *Cell host & microbe*, 34(5), 888.

Yue S, et al. (2026) Expansion and CAR engineering of granulocyte-monocyte progenitors for cellular immunotherapy. *Cell*.

Kline SN, et al. (2025) Epicutaneous *Staphylococcus aureus* initiates cross-tissue IL-36R signaling for neutrophilic lung inflammation in a model of the atopic march. *Cell reports*, 44(8), 116054.

Acosta IC, et al. (2025) *Staphylococcus aureus* exploits lipoic acid salvage to combat host oxidative stress. *Cell reports*, 44(8), 116095.

Wise AD, et al. (2025) Mitochondria sense bacterial lactate and drive release of neutrophil extracellular traps. *Cell host & microbe*, 33(3), 341.

Van Roy Z, et al. (2024) Tumor necrosis factor regulates leukocyte recruitment but not bacterial persistence during *Staphylococcus aureus* craniotomy infection. *Journal of neuroinflammation*, 21(1), 179.

Haist KC, et al. (2024) A LTB₄/CD11b self-amplifying loop drives pyogranuloma formation in chronic granulomatous disease. *iScience*, 27(4), 109589.

Khayrullina G, et al. (2023) Differential effects of NOX2 and NOX4 inhibition after rodent spinal cord injury. *PloS one*, 18(3), e0281045.

Lim JY, et al. (2023) Survival Factor A (SvfA) Contributes to *Aspergillus nidulans* Pathogenicity. *Journal of fungi (Basel, Switzerland)*, 9(2).

Wojtowicz EE, et al. (2023) Panhematopoietic RNA barcoding enables kinetic measurements of nucleate and anucleate lineages and the activation of myeloid clones following acute platelet depletion. *Genome biology*, 24(1), 152.

Hinman KD, et al. (2023) Bi-fluorescent Staphylococcus aureus infection enables single-cell analysis of intracellular killing in vivo. *Frontiers in immunology*, 14, 1089111.

Youwakim J, et al. (2023) Neurovascular Coupling in Hypertension Is Impaired by IL-17A through Oxidative Stress. *International journal of molecular sciences*, 24(4).

Drummond SE, et al. (2023) Chronic Intermittent Hypoxia-Induced Diaphragm Muscle Weakness Is NADPH Oxidase-2 Dependent. *Cells*, 12(14).

Chen HC, et al. (2023) Deletion of NADPH oxidase 2 attenuates cisplatin-induced acute kidney injury through reducing ROS-induced proximal tubular cell injury and inflammation. *Frontiers in medicine*, 10, 1097671.

Van Roy Z, et al. (2023) Epigenetic Regulation of Leukocyte Inflammatory Mediator Production Dictates Staphylococcus aureus Craniotomy Infection Outcome. *Journal of immunology (Baltimore, Md. : 1950)*, 211(3), 414.

Dragotakes Q, et al. (2022) Bet-hedging antimicrobial strategies in macrophage phagosome acidification drive the dynamics of Cryptococcus neoformans intracellular escape mechanisms. *PLoS pathogens*, 18(7), e1010697.

Petzold T, et al. (2022) Neutrophil "plucking" on megakaryocytes drives platelet production and boosts cardiovascular disease. *Immunity*, 55(12), 2285.

Barioni NO, et al. (2022) Novel oxygen sensing mechanism in the spinal cord involved in cardiorespiratory responses to hypoxia. *Science advances*, 8(12), eabm1444.

Gros M, et al. (2022) Endocytic membrane repair by ESCRT-III controls antigen export to the cytosol during antigen cross-presentation. *Cell reports*, 40(7), 111205.