

Resource Summary Report

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

[B6.Cg-Pdcd1^{tm1.1Shr/J}](#)

RRID:IMSR_JAX:028276

Type: Organism

Proper Citation

RRID:IMSR_JAX:028276

Organism Information

URL: <https://www.jax.org/strain/028276>

Proper Citation: RRID:IMSR_JAX:028276

Description: Mus musculus with name B6.Cg-Pdcd1^{tm1.1Shr/J} from IMSR.

Species: Mus musculus

Synonyms: STOCK Pdcd1/J

Notes: gene symbol note: programmed cell death 1; mutant strain|congenic strain: Pdcd1

Affected Gene: programmed cell death 1

Genomic Alteration: targeted mutation 1.1; Arlene H Sharpe

Catalog Number: JAX:028276

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Pdcd1^{tm1.1Shr/J}

Record Creation Time: 20250513T053803+0000

Record Last Update: 20260725T044509+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Pdcd1^{tm1.1Shr/J}.

No alerts have been found for B6.Cg-Pdcd1^{tm1.1Shr/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 [RRID](#).

Dong S, et al. (2025) 3-in-one PD-1CAR Tregs: A bioengineered cellular therapy for target engagement, activation, and immunosuppression with reparative potential. *iScience*, 28(11), 113677.

Xue G, et al. (2024) Clinical drug screening reveals clofazimine potentiates the efficacy while reducing the toxicity of anti-PD-1 and CTLA-4 immunotherapy. *Cancer cell*.

Liang Z, et al. (2024) Intestinal CXCR6+ ILC3s migrate to the kidney and exacerbate renal fibrosis via IL-23 receptor signaling enhanced by PD-1 expression. *Immunity*, 57(6), 1306.

Zirkenbach VA, et al. (2023) Effect of SARS-CoV-2 mRNA-Vaccine on the Induction of Myocarditis in Different Murine Animal Models. *International journal of molecular sciences*, 24(5).

Zhuang S, et al. (2023) IFN- γ blockade after genetic inhibition of PD-1 aggravates skeletal muscle damage and impairs skeletal muscle regeneration. *Cellular & molecular biology letters*, 28(1), 27.

Le Moine M, et al. (2023) Homeostatic PD-1 signaling restrains EOMES-dependent oligoclonal expansion of liver-resident CD8 T cells. *Cell reports*, 42(8), 112876.

Helble JD, et al. (2022) The PD-1/PD-L1 pathway is induced during *Borrelia burgdorferi* infection and inhibits T cell joint infiltration without compromising bacterial clearance. *PLoS pathogens*, 18(10), e1010903.

Hasim MS, et al. (2022) When killers become thieves: Trogocytosed PD-1 inhibits NK cells in cancer. *Science advances*, 8(15), eabj3286.

Baldominos P, et al. (2022) Quiescent cancer cells resist T cell attack by forming an immunosuppressive niche. *Cell*, 185(10), 1694.

Shou J, et al. (2021) Programmed death-1 promotes contused skeletal muscle regeneration by regulating Treg cells and macrophages. *Laboratory investigation; a journal of technical methods and pathology*, 101(6), 719.

Triantafyllou E, et al. (2021) PD-1 blockade improves Kupffer cell bacterial clearance in acute liver injury. *The Journal of clinical investigation*, 131(4).

Shenoy AT, et al. (2021) Antigen presentation by lung epithelial cells directs CD4⁺ TRM cell function and regulates barrier immunity. *Nature communications*, 12(1), 5834.

Uddbäck I, et al. (2021) Long-term maintenance of lung resident memory T cells is mediated by persistent antigen. *Mucosal immunology*, 14(1), 92.

Schøller AS, et al. (2020) Functionally Competent, PD-1⁺ CD8⁺ Trm Cells Populate the Brain Following Local Antigen Encounter. *Frontiers in immunology*, 11, 595707.

Pauken KE, et al. (2020) The PD-1 Pathway Regulates Development and Function of Memory CD8⁺ T Cells following Respiratory Viral Infection. *Cell reports*, 31(13), 107827.