

# Resource Summary Report

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

## B6.Cg-Pdcd1<sup>tm1.1Shr</sup>/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<sup>tm1.1Shr</sup>/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<sup>tm1.1Shr</sup>/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<sup>tm1.1Shr</sup>/J.

No alerts have been found for B6.Cg-Pdcd1<sup>tm1.1Shr</sup>/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.

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.

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*.

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- $\gamma$  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<sup>+</sup> 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<sup>+</sup> CD8<sup>+</sup> 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<sup>+</sup> T Cells following Respiratory Viral Infection. *Cell reports*, 31(13), 107827.