Resource Summary Report

Generated by T1D on Sep 19, 2026

NZW;129(ICR)(C)-Parp1^{tm1Hsmm}/Hsmm

RRID:IMSR_CARD:583
Type: Organism

Proper Citation

RRID:IMSR_CARD:583

Organism Information

URL: https://cardmice.com/rbase/strain?strainid=583

Proper Citation: RRID:IMSR_CARD:583

Description: Mus musculus with name NZW;129(ICR)(C)-Parp1^{tm1Hsmm}/Hsmm from IMSR.

Species: Mus musculus

Synonyms: STOCK Parp1/3Hsmm

Notes: gene symbol note: poly (ADP-ribose) polymerase family; member 1; mutant stock: Parp1

Affected Gene: poly (ADP-ribose) polymerase family; member 1

Genomic Alteration: targeted mutation 1; Hiroshi Suzuki Mitsuko Masutani

Catalog Number: CARD:583

Database: Center for Animal Resources and Development

Database Abbreviation: CARD

Availability: embryo

Organism Name: NZW;129(ICR)(C)-Parp1^{tm1Hsmm}/Hsmm

Record Creation Time: 20250513T061413+0000

Record Last Update: 20260919T063126+0000

Ratings and Alerts

No rating or validation information has been found for NZW;129(ICR)(C)-Parp1^{tm1Hsmm}/Hsmm.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: Integrated Animals

Source Database: Center for Animal Resources and Development

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Kelchtermans L, et al. (2026) CD4+ T cell-mediated immunity protects from VSV-SUD lethal challenge in a mouse model of Sudan virus infection. Nature immunology, 27(6), 1224.

Van Wagoner CM, et al. (2026) Complement-mediated ADCP as a distinct and finite cytotoxic mechanism of monoclonal antibodies. Frontiers in immunology, 17, 1788948.

Slein MD, et al. (2024) Effector functions are required for broad and potent protection of neonatal mice with antibodies targeting HSV glycoprotein D. Cell reports. Medicine, 5(2), 101417.

Case JB, et al. (2024) A trivalent mucosal vaccine encoding phylogenetically inferred ancestral RBD sequences confers pan-Sarbecovirus protection in mice. Cell host & microbe, 32(12), 2131.

Lama JK, et al. (2022) Blocking the inhibitory receptor programmed cell death 1 prevents allergic immune response and anaphylaxis in mice. The Journal of allergy and clinical immunology, 150(1), 178.

Borriello F, et al. (2022) An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. Cell, 185(4), 614.

Kim AS, et al. (2021) Pan-protective anti-alphavirus human antibodies target a conserved E1 protein epitope. Cell, 184(17), 4414.

Burns JC, et al. (2020) Differential accumulation of storage bodies with aging defines discrete subsets of microglia in the healthy brain. eLife, 9.

Nelson NLJ, et al. (2019) Fc? receptors and toll-like receptor 9 synergize to drive immune complex-induced dendritic cell maturation. Cellular immunology, 345, 103962.

Swidergall M, et al. (2019) EphA2 Is a Neutrophil Receptor for Candida albicans that Stimulates Antifungal Activity during Oropharyngeal Infection. Cell reports, 28(2), 423.

Le TT, et al. (2016) IL-1 Contributes to the Anti-Cancer Efficacy of Ingenol Mebutate. PloS one, 11(4), e0153975.

Wüthrich M, et al. (2015) Fonsecaea pedrosoi-induced Th17-cell differentiation in mice is fostered by Dectin-2 and suppressed by Mincle recognition. European journal of immunology, 45(9), 2542.

Sack BK, et al. (2015) Mechanisms of stage-transcending protection following immunization of mice with late liver stage-arresting genetically attenuated malaria parasites. PLoS pathogens, 11(5), e1004855.

Petro C, et al. (2015) Herpes simplex type 2 virus deleted in glycoprotein D protects against vaginal, skin and neural disease. eLife, 4.

Poo YS, et al. (2014) Multiple immune factors are involved in controlling acute and chronic chikungunya virus infection. PLoS neglected tropical diseases, 8(12), e3354.

Cao S, et al. (2012) The gamma chain subunit of Fc receptors is required for alpha-synuclein-induced pro-inflammatory signaling in microglia. Journal of neuroinflammation, 9, 259.

Hashimoto D, et al. (2011) Pretransplant CSF-1 therapy expands recipient macrophages and ameliorates GVHD after allogeneic hematopoietic cell transplantation. The Journal of experimental medicine, 208(5), 1069.

Cao S, et al. (2010) Fc? receptors are required for NF-?B signaling, microglial activation and dopaminergic neurodegeneration in an AAV-synuclein mouse model of Parkinson's disease. Molecular neurodegeneration, 5, 42.

Rittirsch D, et al. (2009) Cross-talk between TLR4 and FcgammaReceptorIII (CD16) pathways. PLoS pathogens, 5(6), e1000464.