

Resource Summary Report

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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: 20260829T053445+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 [NIF](#) .

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 γ 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 γ receptors are required for NF- κ 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 Fc γ ReceptorIII (CD16) pathways. *PLoS pathogens*, 5(6), e1000464.