

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

STOCK Ptp^{rc} Rag2 Tg(TcrLCMV)327Sdz/Orl

RRID:IMSR_EM:11491

Type: Organism

Proper Citation

RRID:IMSR_EM:11491

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=11491>

Proper Citation: RRID:IMSR_EM:11491

Description: Mus musculus with name STOCK Ptp^{rc} Rag2 Tg(TcrLCMV)327Sdz/Orl from IMSR.

Species: Mus musculus

Synonyms: STOCK Ptp^{rc} [Rag2 Tg\(TcrLCMV\)327Sdz](#)

Notes: gene symbol note: recombination activating gene 2|transgene insertion 327; Birgit Ledermann|protein tyrosine phosphatase receptor type C; mutant strain: Rag2|Tg(TcrLCMV)327Sdz|Ptp^{rc}

Affected Gene: recombination activating gene 2|transgene insertion 327; Birgit Ledermann|protein tyrosine phosphatase receptor type C

Genomic Alteration: targeted mutation 1; Frederick W Alt|transgene insertion 327; Birgit Ledermann|a variant

Catalog Number: EM:11491

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: embryo

Organism Name: STOCK Ptp^{rc} Rag2 Tg(TcrLCMV)327Sdz/Orl

Record Creation Time: 20250513T062306+0000

Record Last Update: 20260801T060022+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Ptprc^a Rag2 Tg(TcrLCMV)327Sdz/Orl.

No alerts have been found for STOCK Ptprc^a Rag2 Tg(TcrLCMV)327Sdz/Orl.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Cao J, et al. (2020) Protective effects of new aryl sulfone derivatives against radiation-induced hematopoietic injury. *Journal of radiation research*, 61(3), 388.

Wiede F, et al. (2020) PTPN2 phosphatase deletion in T cells promotes anti-tumour immunity and CAR T-cell efficacy in solid tumours. *The EMBO journal*, 39(2), e103637.

Eisel D, et al. (2019) Cognate Interaction With CD4+ T Cells Instructs Tumor-Associated Macrophages to Acquire M1-Like Phenotype. *Frontiers in immunology*, 10, 219.

Iyoda T, et al. (2019) Optimal therapeutic strategy using antigen-containing liposomes selectively delivered to antigen-presenting cells. *Cancer science*, 110(3), 875.

Qin Y, et al. (2019) NIH3T3 Directs Memory-Fated CTL Programming and Represses High Expression of PD-1 on Antitumor CTLs. *Frontiers in immunology*, 10, 761.

Fabbiano S, et al. (2018) Functional Gut Microbiota Remodeling Contributes to the Caloric Restriction-Induced Metabolic Improvements. *Cell metabolism*, 28(6), 907.

Lidonnici MR, et al. (2018) Multiple Integrated Non-clinical Studies Predict the Safety of Lentivirus-Mediated Gene Therapy for β -Thalassemia. *Molecular therapy. Methods & clinical development*, 11, 9.

Qin Y, et al. (2018) Embryonic Fibroblasts Promote Antitumor Cytotoxic Effects of CD8+ T Cells. *Frontiers in immunology*, 9, 685.

Philip M, et al. (2017) Chromatin states define tumour-specific T cell dysfunction and reprogramming. *Nature*, 545(7655), 452.

Da Costa A, et al. (2017) Extrinsic MAVS signaling is critical for Treg maintenance of Foxp3 expression following acute flavivirus infection. *Scientific reports*, 7, 40720.

McKenzie DR, et al. (2017) IL-17-producing ?? T cells switch migratory patterns between resting and activated states. *Nature communications*, 8, 15632.

Vannini N, et al. (2016) Specification of haematopoietic stem cell fate via modulation of mitochondrial activity. *Nature communications*, 7, 13125.

Yamasaki S, et al. (2016) In vivo dendritic cell targeting cellular vaccine induces CD4+ Tfh cell-dependent antibody against influenza virus. *Scientific reports*, 6, 35173.

Ebihara T, et al. (2015) Runx3 specifies lineage commitment of innate lymphoid cells. *Nature immunology*, 16(11), 1124.

Weber JP, et al. (2015) ICOS maintains the T follicular helper cell phenotype by down-regulating Krüppel-like factor 2. *The Journal of experimental medicine*, 212(2), 217.

Khong DM, et al. (2015) Enhanced hematopoietic stem cell function mediates immune regeneration following sex steroid blockade. *Stem cell reports*, 4(3), 445.

Kim ML, et al. (2015) Aberrant actin depolymerization triggers the pyrin inflammasome and autoinflammatory disease that is dependent on IL-18, not IL-1?. *The Journal of experimental medicine*, 212(6), 927.

Johnson HL, et al. (2014) Perforin competent CD8 T cells are sufficient to cause immune-mediated blood-brain barrier disruption. *PloS one*, 9(10), e111401.

Flacher V, et al. (2014) Murine Langerin+ dermal dendritic cells prime CD8+ T cells while Langerhans cells induce cross-tolerance. *EMBO molecular medicine*, 6(9), 1191.

Laidlaw BJ, et al. (2013) Cooperativity between CD8+ T cells, non-neutralizing antibodies, and alveolar macrophages is important for heterosubtypic influenza virus immunity. *PLoS pathogens*, 9(3), e1003207.