

Resource Summary Report

Generated by T1D on Sep 22, 2026

B6(129S6)-P2ry12^{em1(icre/ERT2)}Tda/J

RRID:IMSR_JAX:034727

Type: Organism

Proper Citation

RRID:IMSR_JAX:034727

Organism Information

URL: <https://www.jax.org/strain/034727>

Proper Citation: RRID:IMSR_JAX:034727

Description: Mus musculus with name B6(129S6)-P2ry12^{em1(icre/ERT2)}Tda/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: purinergic receptor P2Y; G-protein coupled 12; mutant strain: P2ry12

Affected Gene: purinergic receptor P2Y; G-protein coupled 12

Genomic Alteration: endonuclease-mediated mutation 1; Thomas D Arnold

Catalog Number: JAX:034727

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(129S6)-P2ry12^{em1(icre/ERT2)}Tda/J

Record Creation Time: 20250513T053845+0000

Record Last Update: 20260919T055028+0000

Ratings and Alerts

No rating or validation information has been found for B6(129S6)-P2ry12^{em1(icre/ERT2)}Tda/J.

No alerts have been found for B6(129S6)-P2ry12^{em1(icre/ERT2)}Tda/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Devlin BA, et al. (2025) Excitatory-neuron-derived interleukin-34 supports cortical developmental microglia function. *Immunity*, 58(8), 1948.

Tian M, et al. (2025) Deconstructing the intercellular interactome in vascular dementia with focal ischemia for therapeutic applications. *Cell*.

McKinsey GL, et al. (2025) Radial glia integrin avb8 regulates cell autonomous microglial TGF β 1 signaling that is necessary for microglial identity. *Nature communications*, 16(1), 2840.

Bedolla AM, et al. (2024) A comparative evaluation of the strengths and potential caveats of the microglial inducible CreER mouse models. *Cell reports*, 43(1), 113660.

Escoubas CC, et al. (2024) Type-I-interferon-responsive microglia shape cortical development and behavior. *Cell*.

Ewing-Crystal NA, et al. (2024) Dynamic fibroblast-immune interactions shape wound healing after brain injury. *bioRxiv : the preprint server for biology*.

Bedolla A, et al. (2023) Finding the right tool: a comprehensive evaluation of microglial inducible cre mouse models. *bioRxiv : the preprint server for biology*.

Faust TE, et al. (2023) A comparative analysis of microglial inducible Cre lines. *Cell reports*, 42(9), 113031.

Barron JJ, et al. (2023) Group 2 innate lymphoid cells promote inhibitory synapse development and social behavior. *bioRxiv : the preprint server for biology*.

McKinsey GL, et al. (2023) Radial glia promote microglial development through integrin α V β 8 -TGF β 1 signaling. *bioRxiv : the preprint server for biology*.