

# Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

## B6(129S6)-P2ry12<sup>em1(icre/ERT2)</sup>Tda/J

RRID:IMSR\_JAX:034727

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:034727

### Organism Information

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

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**Description:** Mus musculus with name B6(129S6)-P2ry12<sup>em1(icre/ERT2)</sup>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<sup>em1(icre/ERT2)</sup>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<sup>em1(icre/ERT2)</sup>Tda/J.

No alerts have been found for B6(129S6)-P2ry12<sup>em1(icre/ERT2)</sup>Tda/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

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 $\beta$ 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.

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

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

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  $\alpha$ V $\beta$ 8 -TGF $\beta$ 1 signaling. *bioRxiv : the preprint server for biology*.