# Resource Summary Report

Generated by NIF on Sep 21, 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

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**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 NIF .


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?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 ?V ?8 -TGF?1 signaling. bioRxiv : the preprint server for biology.