

# Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

## B6(Cg)-Tlr4<sup>tm1.1Karp/J</sup>

RRID:IMSR\_JAX:024872

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:024872

### Organism Information

**URL:** <https://www.jax.org/strain/024872>

**Proper Citation:** RRID:IMSR\_JAX:024872

**Description:** Mus musculus with name B6(Cg)-Tlr4<sup>tm1.1Karp/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: toll-like receptor 4; mutant strain: Tlr4

**Affected Gene:** toll-like receptor 4

**Genomic Alteration:** targeted mutation 1.1; Christopher Karp

**Catalog Number:** JAX:024872

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6(Cg)-Tlr4<sup>tm1.1Karp/J</sup>

**Record Creation Time:** 20250513T053752+0000

**Record Last Update:** 20260905T044532+0000

### Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Tlr4<sup>tm1.1Karp/J</sup>.

No alerts have been found for B6(Cg)-Tlr4<sup>tm1.1Karp/J</sup>.

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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 7 mentions in open access literature.

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

Ramirez JJ, et al. (2026) Astrocyte-microglia crosstalk through Hevin and Toll-like receptor signaling controls developmental thalamocortical synapse refinement. *Neuron*, 114(8), 1433.

Torraco EC, et al. (2026) High-fat diet causes rapid loss of intestinal group 3 innate lymphoid cells through microbiota-driven inflammation and mitochondrial stress. *Immunity*, 59(4), 988.

Benamar M, et al. (2025) Notch3 destabilizes regulatory T cells to drive autoimmune neuroinflammation in multiple sclerosis. *Immunity*, 58(11), 2753.

De Ponti FF, et al. (2025) Spatially restricted and ontogenically distinct hepatic macrophages are required for tissue repair. *Immunity*, 58(2), 362.

Kim G, et al. (2024) Gut-liver axis calibrates intestinal stem cell fitness. *Cell*, 187(4), 914.

Iberg CA, et al. (2022) TNF- $\alpha$  sculpts a maturation process in vivo by pruning tolerogenic dendritic cells. *Cell reports*, 39(2), 110657.

Dos Santos RS, et al. (2020) Involvement of the Hsp70/TLR4/IL-6 and TNF- $\alpha$  pathways in delayed-onset muscle soreness. *Journal of neurochemistry*, 155(1), 29.