

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

B6(Cg)-Tlr4^{tm1.1Karp/J}

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^{tm1.1Karp/J} 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^{tm1.1Karp/J}

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^{tm1.1Karp/J}.

No alerts have been found for B6(Cg)-Tlr4^{tm1.1Karp/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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- α 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- α pathways in delayed-onset muscle soreness. *Journal of neurochemistry*, 155(1), 29.