

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

B6.129S4-Ltb4r1^{tm1Adl}/J

RRID:IMSR_JAX:008102

Type: Organism

Proper Citation

RRID:IMSR_JAX:008102

Organism Information

URL: <https://www.jax.org/strain/008102>

Proper Citation: RRID:IMSR_JAX:008102

Description: Mus musculus with name B6.129S4-Ltb4r1^{tm1Adl}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: leukotriene B4 receptor 1; mutant strain|congenic strain: Ltb4r1

Affected Gene: leukotriene B4 receptor 1

Genomic Alteration: targeted mutation 1; Andrew D Luster

Catalog Number: JAX:008102

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4-Ltb4r1^{tm1Adl}/J

Record Creation Time: 20250513T053706+0000

Record Last Update: 20260919T054854+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Ltb4r1^{tm1Adl}/J.

No alerts have been found for B6.129S4-Ltb4r1^{tm1Adl}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Haist KC, et al. (2024) A LTB4/CD11b self-amplifying loop drives pyogranuloma formation in chronic granulomatous disease. *iScience*, 27(4), 109589.

Subramanian BC, et al. (2020) The LTB4-BLT1 axis regulates actomyosin and β 2-integrin dynamics during neutrophil extravasation. *The Journal of cell biology*, 219(10).

Ying W, et al. (2019) Expansion of Islet-Resident Macrophages Leads to Inflammation Affecting β Cell Proliferation and Function in Obesity. *Cell metabolism*, 29(2), 457.

Brandt SL, et al. (2018) Macrophage-derived LTB4 promotes abscess formation and clearance of *Staphylococcus aureus* skin infection in mice. *PLoS pathogens*, 14(8), e1007244.

von Moltke J, et al. (2017) Leukotrienes provide an NFAT-dependent signal that synergizes with IL-33 to activate ILC2s. *The Journal of experimental medicine*, 214(1), 27.