Resource Summary Report

Generated by SPARC SAWG on Aug 9, 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: 20260808T050911+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 SPARC SAWG .

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 ?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 ? 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.