

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6.129S(C)-Batf3^{tm1Kmm}/J

RRID:IMSR_JAX:013755

Type: Organism

Proper Citation

RRID:IMSR_JAX:013755

Organism Information

URL: <https://www.jax.org/strain/013755>

Proper Citation: RRID:IMSR_JAX:013755

Description: Mus musculus with name B6.129S(C)-Batf3^{tm1Kmm}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S(C)-Batf3/J

Notes: gene symbol note: basic leucine zipper transcription factor; ATF-like 3; mutant strain|congenic strain: Batf3

Affected Gene: basic leucine zipper transcription factor; ATF-like 3

Genomic Alteration: targeted mutation 1; Kenneth M Murphy

Catalog Number: JAX:013755

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S(C)-Batf3^{tm1Kmm}/J

Record Creation Time: 20250513T053726+0000

Record Last Update: 20260919T054914+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S(C)-Batf3^{tm1Kmm}/J.

No alerts have been found for B6.129S(C)-Batf3^{tm1Kmm}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 114 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Verwaerde S, et al. (2026) Innate type 2 lymphocytes trigger an inflammatory switch in alveolar macrophages. *Immunity*, 59(1), 60.

Shamskhov EA, et al. (2026) Monocytic niches escape T cell surveillance and promote *Mycobacterium tuberculosis* persistence in lymph nodes. *Immunity*.

Scott-Solomon E, et al. (2026) Stress-induced sympathetic hyperactivation drives hair follicle necrosis to trigger autoimmunity. *Cell*, 189(1), 252.

Marco S, et al. (2026) Radiotherapy synergizes with an inducible AAV-based immunotherapy platform to program local and systemic antitumor immunity. *Cancer cell*, 44(5), 995.

Maltez VI, et al. (2026) Agonistic anti-CD40 antibody treatment converts resident regulatory T cells into activated type 1 effectors within the tumor microenvironment. *Immunity*, 59(4), 1058.

Wu Y, et al. (2026) Inhibiting MDM2 enhances RIPK3-mediated necroptosis and synergizes with immune checkpoint blockade therapy. *iScience*, 29(5), 115724.

Bosma DMT, et al. (2026) Requirements for development of T helper 1 and T follicular helper cells from a common precursor. *Cell reports*, 45(5), 117296.

Lobel L, et al. (2026) Dietary sulfur amino acids enhance anti-tumor immunity in colon cancer via an NKT cell-XCL1-cDC1 circuit. *Immunity*, 59(6), 1708.

Carroll SL, et al. (2025) Identification of distinct cDC2 subpopulations that direct microbiota-specific T cell differentiation. *bioRxiv : the preprint server for biology*.

Zhou YD, et al. (2025) T cell fate is dictated by different antigen presenting cells in response to dietary versus gut epithelial self-antigen. *bioRxiv : the preprint server for biology*.

Garcia Castillo J, et al. (2025) Cellular mechanisms underlying beneficial versus detrimental effects of bacterial antitumor immunotherapy. *Immunity*, 58(8), 2002.

Mauvais FX, et al. (2025) Metallophilic marginal zone macrophages cross-prime CD8+ T cell-mediated protective immunity against blood-borne tumors. *Immunity*, 58(4), 843.

Labiano S, et al. (2025) Targeting the CD40 costimulatory receptor to improve virotherapy efficacy in diffuse midline gliomas. *Cell reports. Medicine*, 6(7), 102204.

Lai YG, et al. (2025) cGAS and STING in Host Myeloid Cells Are Essential for Effective Cyclophosphamide Treatment of Advanced Breast Cancer. *Cancers*, 17(7).

Song X, et al. (2025) Cytosolic cytochrome c represses ferroptosis. *Cell metabolism*, 37(6), 1326.

Lisicka W, et al. (2025) Immunoglobulin A controls intestinal virus colonization to preserve immune homeostasis. *Cell host & microbe*, 33(4), 498.

Ziblat A, et al. (2024) Batf3+ DCs and the 4-1BB/4-1BBL axis are required at the effector phase in the tumor microenvironment for PD-1/PD-L1 blockade efficacy. *Cell reports*, 43(5), 114141.

Calvo S, et al. (2024) Correlation between systemic allergen desensitisation and long-term asthma protection in mice following intravenous administration of the live tuberculosis vaccine MTBVAC. *EBioMedicine*, 107, 105272.

Chun D, et al. (2024) Flt3L enhances clonal diversification and selective expansion of intratumoral CD8+ T cells while differentiating into effector-like cells. *Cell reports*, 43(12), 115023.

Ngo VL, et al. (2024) Intestinal microbiota programming of alveolar macrophages influences severity of respiratory viral infection. *Cell host & microbe*, 32(3), 335.