

Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

B6.Cg-Zbtb46^{tm3.1}(cre)Mnz/J

RRID:IMSR_JAX:028538

Type: Organism

Proper Citation

RRID:IMSR_JAX:028538

Organism Information

URL: <https://www.jax.org/strain/028538>

Proper Citation: RRID:IMSR_JAX:028538

Description: Mus musculus with name B6.Cg-Zbtb46^{tm3.1}(cre)Mnz/J from IMSR.

Species: Mus musculus

Synonyms: B6(Cg)-Zbtb46/J

Notes: gene symbol note: |zinc finger and BTB domain containing 46; mutant strain|congenic strain: |Zbtb46

Affected Gene: |zinc finger and BTB domain containing 46

Genomic Alteration: targeted mutation 3.1; Michel C Nussenzweig

Catalog Number: JAX:028538

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Zbtb46^{tm3.1}(cre)Mnz/J

Record Creation Time: 20250513T053805+0000

Record Last Update: 20260905T044542+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Zbtb46^{tm3.1}(cre)Mnz/J.

No alerts have been found for B6.Cg-Zbtb46^{tm3.1(cre)Mnz/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 [kravitz2](#) .

Haniuda K, et al. (2025) Mucosal viral infection elicits long-lived IgA responses via type 1 follicular helper T cells. *Cell*, 188(24), 6774.

Guak H, et al. (2024) Transcriptional programming mediated by the histone demethylase KDM5C regulates dendritic cell population heterogeneity and function. *Cell reports*, 43(8), 114506.

Bugno J, et al. (2024) Targeting the Dendritic Cell-Secreted Immunoregulatory Cytokine CCL22 Alleviates Radioresistance. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(19), 4450.

Gargaro M, et al. (2022) Indoleamine 2,3-dioxygenase 1 activation in mature cDC1 promotes tolerogenic education of inflammatory cDC2 via metabolic communication. *Immunity*, 55(6), 1032.

Stienne C, et al. (2022) Btla signaling in conventional and regulatory lymphocytes coordinately tempers humoral immunity in the intestinal mucosa. *Cell reports*, 38(12), 110553.

Yousif AS, et al. (2021) The persistence of interleukin-6 is regulated by a blood buffer system derived from dendritic cells. *Immunity*, 54(2), 235.

Hemmers S, et al. (2019) IL-2 production by self-reactive CD4 thymocytes scales regulatory T cell generation in the thymus. *The Journal of experimental medicine*, 216(11), 2466.