

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.Cg-Tg(S100A8-cre.-EGFP)1Ilw/J

RRID:IMSR_JAX:021614

Type: Organism

Proper Citation

RRID:IMSR_JAX:021614

Organism Information

URL: <https://www.jax.org/strain/021614>

Proper Citation: RRID:IMSR_JAX:021614

Description: Mus musculus with name B6.Cg-Tg(S100A8-cre.-EGFP)1Ilw/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: S100 calcium binding protein A8||transgene insertion 1; Irving L Weissman; mutant strain|congenic strain: S100A8||Tg(S100A8-cre;-EGFP)1Ilw

Affected Gene: S100 calcium binding protein A8||transgene insertion 1; Irving L Weissman

Genomic Alteration: transgene insertion 1; Irving L Weissman

Catalog Number: JAX:021614

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(S100A8-cre.-EGFP)1Ilw/J

Record Creation Time: 20250513T053743+0000

Record Last Update: 20260725T044451+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(S100A8-cre.-EGFP)1Ilw/J.

No alerts have been found for B6.Cg-Tg(S100A8-cre.-EGFP)1Ilw/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Brown JA, et al. (2026) Gut microbiota promotes immune tolerance at the maternal-fetal interface. *Cell*, 189(1), 196.

Kline SN, et al. (2025) Epicutaneous *Staphylococcus aureus* initiates cross-tissue IL-36R signaling for neutrophilic lung inflammation in a model of the atopic march. *Cell reports*, 44(8), 116054.

Leinweber B, et al. (2025) *Bmal1* deficiency in neutrophils alleviates symptoms induced by high-fat diet. *iScience*, 28(3), 112038.

Van Roy Z, et al. (2025) Interferon-gamma receptor signaling regulates innate immunity during *Staphylococcus aureus* craniotomy infection. *Journal of neuroinflammation*, 22(1), 46.

Clark ML, et al. (2025) Mitochondrial complex IV remodeling in tumor-associated macrophages amplifies interferon signaling and promotes anti-tumor immunity. *Immunity*, 58(7), 1670.

Teo JMN, et al. (2025) Tumor-associated neutrophils attenuate the immunosensitivity of hepatocellular carcinoma. *The Journal of experimental medicine*, 222(1).

Lee W, et al. (2025) Neutrophil extracellular traps promote pre-metastatic niche formation in the omentum by expanding innate-like B cells that express IL-10. *Cancer cell*, 43(1), 69.

Ugolini A, et al. (2025) Functional Reprogramming of Neutrophils within the Brain Tumor Microenvironment by Hypoxia-Driven Histone Lactylation. *Cancer discovery*, 15(6), 1270.

Eislmayr KD, et al. (2025) Macrophages orchestrate elimination of *Shigella* from the intestinal epithelial cell niche via TLR-induced IL-12 and IFN- γ . *Cell host & microbe*, 33(9), 1535.

Jena KK, et al. (2024) Type III interferons induce pyroptosis in gut epithelial cells and impair mucosal repair. *Cell*, 187(26), 7533.

Horn CM, et al. (2024) Granulocytic myeloid-derived suppressor cell activity during biofilm infection is regulated by a glycolysis/HIF1a axis. *The Journal of clinical investigation*, 134(8).

Wang Y, et al. (2023) ?? T cell-intrinsic IL-1R promotes survival during *Staphylococcus aureus* bacteremia. *Frontiers in immunology*, 14, 1171934.

Jin H, et al. (2023) Antigen-presenting aged neutrophils induce CD4⁺ T cells to exacerbate inflammation in sepsis. *The Journal of clinical investigation*, 133(14).

Keeter WC, et al. (2023) Neutrophil-specific STAT4 deficiency attenuates atherosclerotic burden and improves plaque stability via reduction in neutrophil activation and recruitment into aortas of Ldlr^{-/-} mice. *Frontiers in cardiovascular medicine*, 10, 1175673.

Keeter WC, et al. (2023) Neutrophil-specific STAT4 deficiency attenuates atherosclerotic burden and improves plaque stability via reduction in neutrophil activation and recruitment into aortas of Ldlr^{-/-} mice. *bioRxiv : the preprint server for biology*.

Pernet E, et al. (2023) Neonatal imprinting of alveolar macrophages via neutrophil-derived 12-HETE. *Nature*, 614(7948), 530.

Kak G, et al. (2023) IL-10 production by granulocytes promotes *Staphylococcus aureus* craniotomy infection. *Journal of neuroinflammation*, 20(1), 114.

Zhao Y, et al. (2023) Neutrophils resist ferroptosis and promote breast cancer metastasis through aconitate decarboxylase 1. *Cell metabolism*, 35(10), 1688.

Kotov DI, et al. (2023) Early cellular mechanisms of type I interferon-driven susceptibility to tuberculosis. *Cell*, 186(25), 5536.

Van Bruggen S, et al. (2023) Neutrophil peptidylarginine deiminase 4 is essential for detrimental age-related cardiac remodelling and dysfunction in mice. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 378(1890), 20220475.