

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

B6.Cg-Tg(Fcer2a-cre)5Mbu/J

RRID:IMSR_JAX:028197

Type: Organism

Proper Citation

RRID:IMSR_JAX:028197

Organism Information

URL: <https://www.jax.org/strain/028197>

Proper Citation: RRID:IMSR_JAX:028197

Description: Mus musculus with name B6.Cg-Tg(Fcer2a-cre)5Mbu/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Fc receptor; IgE; low affinity II; alpha polypeptide|transgene insertion 5; Meinrad Busslinger|; mutant strain|congenic strain: Fcer2a|Tg(Fcer2a-cre)5Mbu|

Affected Gene: Fc receptor; IgE; low affinity II; alpha polypeptide|transgene insertion 5; Meinrad Busslinger|

Genomic Alteration: transgene insertion 5; Meinrad Busslinger

Catalog Number: JAX:028197

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Fcer2a-cre)5Mbu/J

Record Creation Time: 20250513T053803+0000

Record Last Update: 20260912T060542+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Fcer2a-cre)5Mbu/J.

No alerts have been found for B6.Cg-Tg(Fcer2a-cre)5Mbu/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 [NIF](#) .

Weber JL, et al. (2026) De novo pyrimidine synthesis controls germinal center B cell and plasma cell fates and systemic autoimmunity. Cell reports, 45(7), 117587.

Kim Y, et al. (2025) IL-21 shapes the B cell response in a context-dependent manner. Cell reports, 44(1), 115190.

Fike AJ, et al. (2023) STAT3 signaling in B cells controls germinal center zone organization and recycling. Cell reports, 42(5), 112512.

Chappaz S, et al. (2021) Homeostatic apoptosis prevents competition-induced atrophy in follicular B cells. Cell reports, 36(3), 109430.

Lehrke MJ, et al. (2021) The mitochondrial iron transporter ABCB7 is required for B cell development, proliferation, and class switch recombination in mice. eLife, 10.

Robinson MJ, et al. (2020) The Amount of BCL6 in B Cells Shortly after Antigen Engagement Determines Their Representation in Subsequent Germinal Centers. Cell reports, 30(5), 1530.

Chodisetti SB, et al. (2020) TLR7 Negatively Regulates B10 Cells Predominantly in an IFN?? Signaling Dependent Manner. Frontiers in immunology, 11, 1632.