

Resource Summary Report

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

B6.C(Cg)-Cd79a^{tm1}(cre)Reth/EhobJ

RRID:IMSR_JAX:020505

Type: Organism

Proper Citation

RRID:IMSR_JAX:020505

Organism Information

URL: <https://www.jax.org/strain/020505>

Proper Citation: RRID:IMSR_JAX:020505

Description: Mus musculus with name B6.C(Cg)-Cd79a^{tm1}(cre)Reth/EhobJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: |CD79A antigen (immunoglobulin-associated alpha); mutant strain|congenic strain: |Cd79a

Affected Gene: |CD79A antigen (immunoglobulin-associated alpha)

Genomic Alteration: targeted mutation 1; Michael Reth

Catalog Number: JAX:020505

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.C(Cg)-Cd79a^{tm1}(cre)Reth/EhobJ

Record Creation Time: 20250513T053741+0000

Record Last Update: 20260725T044449+0000

Ratings and Alerts

No rating or validation information has been found for B6.C(Cg)-Cd79a^{tm1}(cre)Reth/EhobJ.

No alerts have been found for B6.C(Cg)-Cd79a^{tm1}(cre)Reth/EhobJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Allman A, et al. (2025) Splenic fibroblasts control marginal zone B cell movement and function via two distinct Notch2-dependent regulatory programs. *Immunity*, 58(1), 143.

Modares NF, et al. (2025) B cell-derived acetylcholine promotes liver regeneration by regulating Kupffer cell and hepatic CD8+ T cell function. *Immunity*, 58(5), 1201.

Chen Z, et al. (2025) YTHDF2 promotes ATP synthesis and immune evasion in B cell malignancies. *Cell*, 188(2), 331.

Sierra I, et al. (2025) B cell stimulation changes the structure and higher-order organization of the inactive X chromosome. *Cell reports*, 44(3), 115351.

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

Priam P, et al. (2024) Smarcd1 subunit of SWI/SNF chromatin-remodeling complexes collaborates with E2a to promote murine lymphoid specification. *Developmental cell*, 59(23), 3124.

Mandlbauer A, et al. (2024) Mime-seq 2.0: a method to sequence microRNAs from specific mouse cell types. *The EMBO journal*, 43(12), 2506.

Huang H, et al. (2023) The RNA-binding protein hnRNP F is required for the germinal center B cell response. *Nature communications*, 14(1), 1731.

Pioli KT, et al. (2023) Thymus antibody-secreting cells possess an interferon gene signature and are preferentially expanded in young female mice. *iScience*, 26(3), 106223.

Yazicioglu YF, et al. (2023) Dynamic mitochondrial transcription and translation in B cells control germinal center entry and lymphomagenesis. *Nature immunology*, 24(6), 991.

van den Broek T, et al. (2023) Invasion of spontaneous germinal centers by naive B cells is rapid and persistent. *bioRxiv : the preprint server for biology*.

Gong Y, et al. (2023) Loss of RanGAP1 drives chromosome instability and rapid tumorigenesis of osteosarcoma. *Developmental cell*, 58(3), 192.

Emrich SM, et al. (2023) Orai3 and Orai1 mediate CRAC channel function and metabolic reprogramming in B cells. *eLife*, 12.

Yeh CH, et al. (2022) Primary germinal center-resident T follicular helper cells are a physiologically distinct subset of CXCR5^{hi}PD-1^{hi} T follicular helper cells. *Immunity*, 55(2), 272.

Azagra A, et al. (2022) The HDAC7-TET2 epigenetic axis is essential during early B lymphocyte development. *Nucleic acids research*, 50(15), 8471.

Levack RC, et al. (2022) Adenosine receptor 2a agonists target mouse CD11c⁺T-bet⁺ B cells in infection and autoimmunity. *Nature communications*, 13(1), 452.

Ruan GX, et al. (2022) The spliceosome component Usp39 controls B cell development by regulating immunoglobulin gene rearrangement. *Cell reports*, 38(6), 110338.

Yoast RE, et al. (2021) The Mitochondrial Ca²⁺ uniporter is a central regulator of interorganellar Ca²⁺ transfer and NFAT activation. *The Journal of biological chemistry*, 297(4), 101174.

He C, et al. (2021) CD36 and LC3B initiated autophagy in B cells regulates the humoral immune response. *Autophagy*, 17(11), 3577.

Fu Y, et al. (2021) Intestinal CD11b⁺ B Cells Ameliorate Colitis by Secreting Immunoglobulin A. *Frontiers in immunology*, 12, 697725.