

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

B6.129P2(Cg)-Ighg1^{tm1}(cre)Cgn/J

RRID:IMSR_JAX:010611

Type: Organism

Proper Citation

RRID:IMSR_JAX:010611

Organism Information

URL: <https://www.jax.org/strain/010611>

Proper Citation: RRID:IMSR_JAX:010611

Description: Mus musculus with name B6.129P2(Cg)-Ighg1^{tm1}(cre)Cgn/J from IMSR.

Species: Mus musculus

Synonyms: B6.129P2(Cg)-Ighg1/J

Notes: gene symbol note: |immunoglobulin heavy constant gamma 1 (G1m marker); mutant strain|congenic strain: |Ighg1

Affected Gene: |immunoglobulin heavy constant gamma 1 (G1m marker)

Genomic Alteration: targeted mutation 1; University of Cologne

Catalog Number: JAX:010611

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2(Cg)-Ighg1^{tm1}(cre)Cgn/J

Record Creation Time: 20250513T053716+0000

Record Last Update: 20260815T050626+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2(Cg)-Ighg1^{tm1}(cre)Cgn/J.

No alerts have been found for B6.129P2(Cg)-Ighg1^{tm1(cre)}Cgn/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Barisic D, et al. (2024) ARID1A orchestrates SWI/SNF-mediated sequential binding of transcription factors with ARID1A loss driving pre-memory B cell fate and lymphomagenesis. Cancer cell.

Larrayoz M, et al. (2023) Preclinical models for prediction of immunotherapy outcomes and immune evasion mechanisms in genetically heterogeneous multiple myeloma. Nature medicine, 29(3), 632.

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

Griger J, et al. (2023) An integrated cellular and molecular model of gastric neuroendocrine cancer evolution highlights therapeutic targets. Cancer cell, 41(7), 1327.

Li J, et al. (2023) Cooperative super-enhancer inactivation caused by heterozygous loss of CREBBP and KMT2D skews B cell fate decisions and yields T cell-depleted lymphomas. bioRxiv : the preprint server for biology.

Rivas MA, et al. (2021) Smc3 dosage regulates B cell transit through germinal centers and restricts their malignant transformation. Nature immunology, 22(2), 240.

Rivas MA, et al. (2021) Cohesin Core Complex Gene Dosage Contributes to Germinal Center Derived Lymphoma Phenotypes and Outcomes. Frontiers in immunology, 12, 688493.

Wigton EJ, et al. (2021) MicroRNA-directed pathway discovery elucidates an miR-221/222-mediated regulatory circuit in class switch recombination. The Journal of experimental medicine, 218(11).

Duan L, et al. (2021) Follicular dendritic cells restrict interleukin-4 availability in germinal centers and foster memory B cell generation. Immunity, 54(10), 2256.

B??guelin W, et al. (2020) Mutant EZH2 Induces a Pre-malignant Lymphoma Niche by Reprogramming the Immune Response. Cancer cell, 37(5), 655.

Ramezani-Rad P, et al. (2020) Cyclin D3 Governs Clonal Expansion of Dark Zone Germinal Center B Cells. Cell reports, 33(7), 108403.

Venturutti L, et al. (2020) TBL1XR1 Mutations Drive Extranodal Lymphoma by Inducing a Pro-tumorigenic Memory Fate. *Cell*, 182(2), 297.

Mintz MA, et al. (2019) The HVEM-BTLA Axis Restrains T Cell Help to Germinal Center B Cells and Functions as a Cell-Extrinsic Suppressor in Lymphomagenesis. *Immunity*, 51(2), 310.

Gunasekaran M, et al. (2018) Immunization Elicits Antigen-Specific Antibody Sequestration in Dorsal Root Ganglia Sensory Neurons. *Frontiers in immunology*, 9, 638.

Yang Z, et al. (2016) Regulation of B cell fate by chronic activity of the IgE B cell receptor. *eLife*, 5.