

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 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: 20260725T044426+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 [kravitz2](#).

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) Cohesin Core Complex Gene Dosage Contributes to Germinal Center Derived Lymphoma Phenotypes and Outcomes. *Frontiers in immunology*, 12, 688493.

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

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.

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

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

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.