

Resource Summary Report

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

B6.129P2-Igh-J^{tm1Cgn}/J

RRID:IMSR_JAX:002438

Type: Organism

Proper Citation

RRID:IMSR_JAX:002438

Organism Information

URL: <https://www.jax.org/strain/002438>

Proper Citation: RRID:IMSR_JAX:002438

Description: Mus musculus with name B6.129P2-Igh-J^{tm1Cgn}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: immunoglobulin heavy chain; joining region; mutant strain|congenic strain: Igh-J

Affected Gene: immunoglobulin heavy chain; joining region

Genomic Alteration: targeted mutation 1; University of Cologne

Catalog Number: JAX:002438

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129P2-Igh-J^{tm1Cgn}/J

Record Creation Time: 20250513T053632+0000

Record Last Update: 20260725T044339+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Igh-J^{tm1Cgn}/J.

No alerts have been found for B6.129P2-Igh-J^{tm1Cgn}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

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

K??gl T, et al. (2024) Patients and mice with deficiency in the SNARE protein SYNTAXIN-11 have a secondary B cell defect. *The Journal of experimental medicine*, 221(7).

Chen C, et al. (2022) Cancer co-opts differentiation of B-cell precursors into macrophage-like cells. *Nature communications*, 13(1), 5376.

Kim Y, et al. (2022) MCMV-based vaccine vectors expressing full-length viral proteins provide long-term humoral immune protection upon a single-shot vaccination. *Cellular & molecular immunology*, 19(2), 234.

Egli J, et al. (2022) Enhanced immunogenic potential of cancer immunotherapy antibodies in human IgG1 transgenic mice. *mAbs*, 14(1), 2143009.

Perruzza L, et al. (2022) Apyrase-mediated amplification of secretory IgA promotes intestinal homeostasis. *Cell reports*, 40(3), 111112.

Gawish R, et al. (2022) A neutrophil-B-cell axis impacts tissue damage control in a mouse model of intraabdominal bacterial infection via Cxcr4. *eLife*, 11.

Kim K, et al. (2021) Therapeutic B-cell depletion reverses progression of Alzheimer's disease. *Nature communications*, 12(1), 2185.

Luo Y, et al. (2020) Tumor-targeting oncolytic virus elicits potent immunotherapeutic vaccine responses to tumor antigens. *Oncoimmunology*, 9(1), 1726168.

Xiao S, et al. (2020) Checkpoint Receptor TIGIT Expressed on Tim-1+ B Cells Regulates Tissue Inflammation. *Cell reports*, 32(2), 107892.

Lu Y, et al. (2020) Complement Signals Determine Opposite Effects of B Cells in Chemotherapy-Induced Immunity. *Cell*, 180(6), 1081.

Krueger CC, et al. (2019) RNA and Toll-Like Receptor 7 License the Generation of Superior Secondary Plasma Cells at Multiple Levels in a B Cell Intrinsic Fashion. *Frontiers in immunology*, 10, 736.

Perruzza L, et al. (2019) Enrichment of intestinal Lactobacillus by enhanced secretory IgA coating alters glucose homeostasis in P2rx7^{-/-} mice. Scientific reports, 9(1), 9315.

Hudson KE, et al. (2017) Antibodies to Senescent Antigen and C3 Are Not Required for Normal Red Blood Cell Lifespan in a Murine Model. Frontiers in immunology, 8, 1425.

Dibra D, et al. (2016) IL27 controls skin tumorigenesis via accumulation of ETAR-positive CD11b cells in the pre-malignant skin. Oncotarget, 7(47), 77138.

Shetty A, et al. (2014) Immunodominant T-cell epitopes of MOG reside in its transmembrane and cytoplasmic domains in EAE. Neurology(R) neuroimmunology & neuroinflammation, 1(2), e22.

Li F, et al. (2009) A role for the IgH intronic enhancer E mu in enforcing allelic exclusion. The Journal of experimental medicine, 206(1), 153.