

Resource Summary Report

Generated by ASWG on Sep 20, 2026

B6.129S2-Ighm^{tm1Cgn}/J

RRID:IMSR_JAX:002288

Type: Organism

Proper Citation

RRID:IMSR_JAX:002288

Organism Information

URL: <https://www.jax.org/strain/002288>

Proper Citation: RRID:IMSR_JAX:002288

Description: Mus musculus with name B6.129S2-Ighm^{tm1Cgn}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S2-Igh-6/J

Notes: gene symbol note: immunoglobulin heavy constant mu; mutant strain|congenic strain: Ighm

Affected Gene: immunoglobulin heavy constant mu

Genomic Alteration: targeted mutation 1; University of Cologne

Catalog Number: JAX:002288

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S2-Ighm^{tm1Cgn}/J

Record Creation Time: 20250513T053630+0000

Record Last Update: 20260919T054820+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Ighm^{tm1Cgn}/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human rheumatoid arthritis.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 138 mentions in open access literature.

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

Diep RE, et al. (2026) Natural maternal immunity protects neonates from Escherichia coli sepsis. *Nature*, 653(8114), 519.

Yee SM, et al. (2026) A distinct TCR+CD19+ population in the peritoneal cavity: B1a cells as precursors of extrathymic T cells. *iScience*, 29(4), 115505.

Gago da Graça C, et al. (2026) B cell-derived type I interferon sustains T cell functionality upon strong TCR stimulation during chronic infection. *Immunity*.

Hattori-Muroi K, et al. (2026) Dietary soy shapes the microbiome to induce commensal-specific T follicular helper cells and IgA production. *Immunity*, 59(6), 1616.

Mao Y, et al. (2026) B cell deficiency limits exercise capacity by remodeling liver glutamate metabolism. *Cell*, 189(11), 3254.

Ökten AB, et al. (2026) IgA is necessary and sufficient to prevent norovirus infection in mice. *Science translational medicine*, 18(855), eaeb4878.

Antunes Fernandes K, et al. (2026) Maternal helminths rewire the microbiota to promote offspring antiviral immunity. *Cell host & microbe*, 34(6), 1050.

Risley CA, et al. (2025) Transcription factor T-bet regulates the maintenance and differentiation potential of lymph node and lung effector memory B cell subsets. *Immunity*, 58(7), 1706.

Kurt-Jones EA, et al. (2025) Interferon-epsilon, an estrogen-induced type I interferon, is uniquely exploited by *Neisseria gonorrhoeae* via effects on sialic acid metabolism. *Cell host & microbe*, 33(7), 1133.

Fike AJ, et al. (2025) IRF7 controls spontaneous autoimmune germinal center and plasma cell checkpoints. *bioRxiv : the preprint server for biology*.

Kline SN, et al. (2025) Epicutaneous *Staphylococcus aureus* initiates cross-tissue IL-36R signaling for neutrophilic lung inflammation in a model of the atopic march. *Cell reports*,

44(8), 116054.

Shenoy MK, et al. (2025) Breast milk IgG engages the mouse neonatal immune system to instruct responses to gut antigens. *Science (New York, N.Y.)*, 389(6761), eado5294.

Toledo-Teixeira DA, et al. (2025) MyD88 signalling in B cells and antibody responses during Oropouche virus-induced neurological disease in mice. *EBioMedicine*, 117, 105815.

Fike AJ, et al. (2025) IRF7 controls spontaneous autoimmune germinal center and plasma cell checkpoints. *The Journal of experimental medicine*, 222(7).

Lee W, et al. (2025) Neutrophil extracellular traps promote pre-metastatic niche formation in the omentum by expanding innate-like B cells that express IL-10. *Cancer cell*, 43(1), 69.

Burrows K, et al. (2025) A gut commensal protozoan determines respiratory disease outcomes by shaping pulmonary immunity. *Cell*, 188(2), 316.

Cole AC, et al. (2025) Adoptively transferred Th17 cells cooperate with host B cells to achieve durable tumor immunity. *Cancer cell*, 43(9), 1697.

Luo X, et al. (2025) An interleukin-9-ZBTB18 axis promotes germinal center development of memory B cells. *Immunity*, 58(4), 861.

Lee W, et al. (2025) Protocol for assessing mobilization of peritoneal B cells to the pre-metastatic omentum in an orthotopic mouse model of ovarian cancer. *STAR protocols*, 6(2), 103806.

Benjamin JS, et al. (2025) 23ME-01473, an Fc Effector-Enhanced Anti-ULBP6/2/5 Antibody, Restores NK Cell-Mediated Antitumor Immunity through NKG2D and FcγRIIIa Activation. *Cancer research communications*, 5(3), 476.