

Resource Summary Report

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

B6.129S6-Clec7a^{tm1Gdb/J}

RRID:IMSR_JAX:012337

Type: Organism

Proper Citation

RRID:IMSR_JAX:012337

Organism Information

URL: <https://www.jax.org/strain/012337>

Proper Citation: RRID:IMSR_JAX:012337

Description: Mus musculus with name B6.129S6-Clec7a^{tm1Gdb/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: C-type lectin domain family 7; member a; mutant strain|congenic strain: Clec7a

Affected Gene: C-type lectin domain family 7; member a

Genomic Alteration: targeted mutation 1; Gordon D Brown

Catalog Number: JAX:012337

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S6-Clec7a^{tm1Gdb/J}

Record Creation Time: 20250513T053720+0000

Record Last Update: 20260725T044429+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-Clec7a^{tm1Gdb/J}.

No alerts have been found for B6.129S6-Clec7a^{tm1Gdb/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Boucher MJ, et al. (2025) Phenotypic landscape of an invasive fungal pathogen reveals its unique biology. *Cell*, 188(15), 4003.

Prevel R, et al. (2025) β -Glucan reprograms alveolar macrophages via neutrophil/IFN γ axis in a murine model of lung injury. *eLife*, 13.

Ochoa AE, et al. (2023) Dectin-1-Independent Macrophage Phagocytosis of *Mycobacterium abscessus*. *International journal of molecular sciences*, 24(13).

Borriello F, et al. (2022) An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. *Cell*, 185(4), 614.

Oh S, et al. (2022) Pathogen size alters C-type lectin receptor signaling in dendritic cells to influence CD4 Th9 cell differentiation. *Cell reports*, 38(13), 110567.

Zeng Q, et al. (2022) Cbl-b restrains priming of pathogenic Th17 cells via the inhibition of IL-6 production by macrophages. *iScience*, 25(10), 105151.

Shao TY, et al. (2022) *Candida albicans* oscillating UME6 expression during intestinal colonization primes systemic Th17 protective immunity. *Cell reports*, 39(7), 110837.

Verma M, et al. (2021) The molecular and epigenetic mechanisms of innate lymphoid cell (ILC) memory and its relevance for asthma. *The Journal of experimental medicine*, 218(7).

Chikina AS, et al. (2020) Macrophages Maintain Epithelium Integrity by Limiting Fungal Product Absorption. *Cell*, 183(2), 411.

Sas AR, et al. (2020) A new neutrophil subset promotes CNS neuron survival and axon regeneration. *Nature immunology*, 21(12), 1496.

Pandey S, et al. (2020) Pairwise Stimulations of Pathogen-Sensing Pathways Predict Immune Responses to Multi-adjuvant Combinations. *Cell systems*, 11(5), 495.

Pazhakh V, et al. (2019) β -glucan-dependent shuttling of conidia from neutrophils to macrophages occurs during fungal infection establishment. *PLoS biology*, 17(9), e3000113.

Bode K, et al. (2019) Dectin-1 Binding to Annexins on Apoptotic Cells Induces Peripheral Immune Tolerance via NADPH Oxidase-2. *Cell reports*, 29(13), 4435.