

Resource Summary Report

Generated by T1D on Sep 21, 2026

B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ

RRID:IMSR_JAX:031675

Type: Organism

Proper Citation

RRID:IMSR_JAX:031675

Organism Information

URL: <https://www.jax.org/strain/031675>

Proper Citation: RRID:IMSR_JAX:031675

Description: Mus musculus with name B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: complement component 1; q subcomponent; alpha polypeptide; mutant strain: C1qa

Affected Gene: complement component 1; q subcomponent; alpha polypeptide

Genomic Alteration: targeted mutation 1d; Wellcome Trust Sanger Institute

Catalog Number: JAX:031675

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260919T055008+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ.

No alerts have been found for B6(Cg)-C1qa^{tm1d(EUCOMM)Wtsi}/TennJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Bhattacharya M, et al. (2026) Collagen binding adhesin restricts Staphylococcus aureus skin infection. Nature communications, 17(1).

Mackie PM, et al. (2026) C1q-dependent clearance of alpha-synuclein allows macrophages to transiently limit enteric synucleinopathy in male mice. Nature communications, 17(1).

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

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.

Wu M, et al. (2024) Gut complement induced by the microbiota combats pathogens and spares commensals. Cell, 187(4), 897.

Passino R, et al. (2024) Neutrophil-inflicted vasculature damage suppresses immune-mediated optic nerve regeneration. Cell reports, 43(3), 113931.

Ngo VL, et al. (2024) Intestinal microbiota programming of alveolar macrophages influences severity of respiratory viral infection. Cell host & microbe, 32(3), 335.

Carrillo GL, et al. (2023) Complement-dependent loss of inhibitory synapses on pyramidal neurons following Toxoplasma gondii infection. Journal of neurochemistry.

Sahin M, et al. (2022) Antibody bivalency improves antiviral efficacy by inhibiting virion release independently of Fc gamma receptors. Cell reports, 38(5), 110303.

Clayton K, et al. (2021) Plaque associated microglia hyper-secrete extracellular vesicles and accelerate tau propagation in a humanized APP mouse model. Molecular neurodegeneration, 16(1), 18.