

Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

C57BL/6-Tg(CAG-OVAL)916Jen/J

RRID:IMSR_JAX:005145

Type: Organism

Proper Citation

RRID:IMSR_JAX:005145

Organism Information

URL: <https://www.jax.org/strain/005145>

Proper Citation: RRID:IMSR_JAX:005145

Description: Mus musculus with name C57BL/6-Tg(CAG-OVAL)916Jen/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(CAG-OVA)916Jen/J. C57BL/6-Tg(Actb-OVA)916Jen/J.
C57BL/6-Tg(ACTB-OVA)916Jen/J

Notes: gene symbol note: transgene insertion 916; Marc K Jenkins|actin beta|ovalbumin;
mutant strain: Tg(CAG-OVAL)916Jen|ACTB|OVA

Affected Gene: transgene insertion 916; Marc K Jenkins|actin beta|ovalbumin

Genomic Alteration: transgene insertion 916; Marc K Jenkins

Catalog Number: JAX:005145

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(CAG-OVAL)916Jen/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260801T050352+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(CAG-OVAL)916Jen/J.

No alerts have been found for C57BL/6-Tg(CAG-OVAL)916Jen/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Brown JA, et al. (2026) Gut microbiota promotes immune tolerance at the maternal-fetal interface. *Cell*, 189(1), 196.

Rubio RM, et al. (2025) The transcription factor Helios restrains the anti-tumor capacity of CD8+ T cells. *Cell reports*, 44(12), 116680.

Jaeger-Ruckstuhl CA, et al. (2024) Signaling via a CD27-TRAF2-SHP-1 axis during naive T cell activation promotes memory-associated gene regulatory networks. *Immunity*, 57(2), 287.

Goldberger Z, et al. (2023) Membrane-localized neoantigens predict the efficacy of cancer immunotherapy. *Cell reports. Medicine*, 4(8), 101145.

Andrade MS, et al. (2022) Linked sensitization by memory CD4+ T cells prevents costimulation blockade-induced transplantation tolerance. *JCI insight*, 7(11).

Hernández-Malmierca P, et al. (2022) Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. *Cell stem cell*, 29(5), 760.

Monlish DA, et al. (2021) Deletion of AMPK minimizes graft-versus-host disease through an early impact on effector donor T cells. *JCI insight*, 6(14).

Li Y, et al. (2020) Vaccination with CD47 deficient tumor cells elicits an antitumor immune response in mice. *Nature communications*, 11(1), 581.

Kohli K, et al. (2016) Plasmacytoid dendritic cells induce tolerance predominantly by cargoing antigen to lymph nodes. *European journal of immunology*, 46(11), 2659.

Zheng X, et al. (2016) Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing. *European journal of immunology*, 46(6), 1415.

Ju JM, et al. (2015) Selection of Thymocytes Expressing Transgenic TCR Specific for a Minor Histocompatibility Antigen, H60. *Immune network*, 15(5), 222.

Deguine J, et al. (2013) No antigen-presentation defect in Unc93b1(3d/3d) (3d) mice. Nature immunology, 14(11), 1101.