

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

C57BL/6-Tg(CLEC4C-HBEGF)956Cln/J

RRID:IMSR_JAX:014176

Type: Organism

Proper Citation

RRID:IMSR_JAX:014176

Organism Information

URL: <https://www.jax.org/strain/014176>

Proper Citation: RRID:IMSR_JAX:014176

Description: Mus musculus with name C57BL/6-Tg(CLEC4C-HBEGF)956Cln/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(CLEC4C-DTR)956Cln/J. C57BL/6-Tg(CLEC4B2-HBEGF)956Cln/J

Notes: gene symbol note: C-type lectin domain family 4 member C|heparin binding EGF like growth factor|Simian Diphtheria Toxin Receptor|transgene insertion 956; Marco Colonna; coisogenic strain|mutant strain: CLEC4C|HBEGF|DTR|Tg(CLEC4C-HBEGF)956Cln

Affected Gene: C-type lectin domain family 4 member C|heparin binding EGF like growth factor|Simian Diphtheria Toxin Receptor|transgene insertion 956; Marco Colonna

Genomic Alteration: transgene insertion 956; Marco Colonna

Catalog Number: JAX:014176

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Tg(CLEC4C-HBEGF)956Cln/J

Record Creation Time: 20250513T053727+0000

Record Last Update: 20260912T060513+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(CLEC4C-HBEGF)956Cln/J.

No alerts have been found for C57BL/6-Tg(CLEC4C-HBEGF)956Cln/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Takahashi S, et al. (2026) Targeting donor XCR1+ and CD11b+ dendritic cells prevents Th1- and Th17-dependent GVHD within the gastrointestinal tract. *Blood*, 147(18), 2143.

Zhang L, et al. (2025) Stress triggers irritable bowel syndrome with diarrhea through a spermidine-mediated decline in type I interferon. *Cell metabolism*, 37(1), 87.

Jung HE, et al. (2023) Intranasal delivery of an adenovirus-vector vaccine co-expressing a modified spike protein and a genetic adjuvant confers lasting mucosal immunity against SARS-CoV-2. *Antiviral research*, 216, 105656.

Kotov DI, et al. (2023) Early cellular mechanisms of type I interferon-driven susceptibility to tuberculosis. *Cell*, 186(25), 5536.

Hirobe S, et al. (2021) Characteristics of immune induction by transcutaneous vaccination using dissolving microneedle patches in mice. *International journal of pharmaceutics*, 601, 120563.

Go DM, et al. (2021) Programmed Death Ligand 1-Expressing Classical Dendritic Cells Mitigate Helicobacter-Induced Gastritis. *Cellular and molecular gastroenterology and hepatology*, 12(2), 715.

Guo Y, et al. (2020) During Aspergillus Infection, Monocyte-Derived DCs, Neutrophils, and Plasmacytoid DCs Enhance Innate Immune Defense through CXCR3-Dependent Crosstalk. *Cell host & microbe*, 28(1), 104.

Winkler ES, et al. (2020) The Intestinal Microbiome Restricts Alphavirus Infection and Dissemination through a Bile Acid-Type I IFN Signaling Axis. *Cell*, 182(4), 901.

Jamali A, et al. (2020) Characterization of Resident Corneal Plasmacytoid Dendritic Cells and Their Pivotal Role in Herpes Simplex Keratitis. *Cell reports*, 32(9), 108099.

Kim TH, et al. (2019) Plasmacytoid Dendritic Cells Contribute to the Production of IFN- γ via TLR7-MyD88-Dependent Pathway and CTL Priming during Respiratory Syncytial Virus Infection. *Viruses*, 11(8).

Stefan KL, et al. (2017) Type I interferon signaling restrains IL-10R⁺ colonic macrophages and dendritic cells and leads to more severe *Salmonella* colitis. *PloS one*, 12(11), e0188600.