Resource Summary Report

Generated by T1D on Sep 20, 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: heparin binding EGF like growth factor|C-type lectin domain family 4 member C|Simian Diphtheria Toxin Receptor|transgene insertion 956; Marco Colonna; coisogenic strain|mutant strain: HBEGF|CLEC4C|DTR|Tg(CLEC4C-HBEGF)956Cln

Affected Gene: heparin binding EGF like growth factor|C-type lectin domain family 4 member C|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: 20260919T054915+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 T1D .

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 MitigateHelicobacter-Induced Gastritis. Cellular and molecular gastroenterology and hepatology, 12(2), 715.

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.

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.

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-?? 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.