

Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ

RRID:IMSR_JAX:005739

Type: Organism

Proper Citation

RRID:IMSR_JAX:005739

Organism Information

URL: <https://www.jax.org/strain/005739>

Proper Citation: RRID:IMSR_JAX:005739

Description: Mus musculus with name NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ from IMSR.

Species: Mus musculus

Synonyms: Mins II. NOD.MHCII-Ins2. NOD-PI. MHCII-Ins2

Notes: gene symbol note: H2 I region; includes H2-Aa; Ab; Bl; Ea; Eb; Eb2; Ob; Pb|insulin II|transgene insertion 1; William and Eliza Hall Institute; coisogenic strain|mutant strain: H2-I|Ins2|Tg(H2-Ea-Ins2)1Wehi

Affected Gene: H2 I region; includes H2-Aa; Ab; Bl; Ea; Eb; Eb2; Ob; Pb|insulin II|transgene insertion 1; William and Eliza Hall Institute

Genomic Alteration: transgene insertion 1; William and Eliza Hall Institute

Catalog Number: JAX:005739

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ

Record Creation Time: 20250513T053652+0000

Record Last Update: 20260808T050854+0000

Ratings and Alerts

No rating or validation information has been found for NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ.

No alerts have been found for NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Grimes JM, et al. (2025) Oncolytic reprogramming of tumor microenvironment shapes CD4 T-cell memory via the IL6ra-Bcl6 axis for targeted control of glioblastoma. Nature communications, 16(1), 1095.

Setoguchi R, et al. (2024) Memory CD8 T cells are vulnerable to chronic IFN-?? signals but not to CD4 T cell deficiency in MHCII-deficient mice. Nature communications, 15(1), 4418.

Whitaker EE, et al. (2024) Expression of MHC II in DRG neurons attenuates paclitaxel-induced cold hypersensitivity in male and female mice. PloS one, 19(2), e0298396.

Mohammed AD, et al. (2024) Studying the cellular basis of small bowel enteropathy using high-parameter flow cytometry in mouse models of primary antibody deficiency. Frontiers in immunology, 15, 1278197.

Steier Z, et al. (2023) Single-cell multiomic analysis of thymocyte development reveals drivers of CD4+ T cell and CD8+ T cell lineage commitment. Nature immunology, 24(9), 1579.

Roland MM, et al. (2023) B-cell-specific MhcII regulates microbiota composition in a primarily IgA-independent manner. Frontiers in immunology, 14, 1253674.