Resource Summary Report

Generated by dkNET on Aug 3, 2026

NOD.Cg-H2-Ab1$^{b\text{-}tm1Gru}$ Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1Ell/EllJ

RRID:IMSR_JAX:006021
Type: Organism

Proper Citation

RRID:IMSR_JAX:006021

Organism Information

URL: https://www.jax.org/strain/006021

Proper Citation: RRID:IMSR_JAX:006021

Description: Mus musculus with name NOD.Cg-H2-Ab1$^{b\text{-}tm1Gru}$ Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1Ell/EllJ from IMSR.

Species: Mus musculus

Synonyms: NOD.DQ8/Ab0>. NOD.Cg-H2-Ab1 Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1Ell/EllJ. NOD.AQ8/IAb. NOD.Cg-H2-Ab1 Tg(CD2-CD4.HLA-DQA1*0301.HLA-DQB1*0302)1Ell/EllJ

Notes: gene symbol note: histocompatibility 2; class II antigen A; beta 1|major histocompatibility complex; class II; DQ beta 1|transgene insertion 1; John F Elliott|major histocompatibility complex; class II; DQ alpha 1|CD4 molecule|CD2 molecule; mutant strain|congenic strain: H2-Ab1|HLA-DQB1|Tg(CD2-CD4;HLA-DQA1;HLA-DQB1)1Ell|HLA-DQA1|CD4|CD2

Affected Gene: histocompatibility 2; class II antigen A; beta 1|major histocompatibility complex; class II; DQ beta 1|transgene insertion 1; John F Elliott|major histocompatibility complex; class II; DQ alpha 1|CD4 molecule|CD2 molecule

Genomic Alteration: targeted mutation 1; Michael J Grusby|transgene insertion 1; John F Elliott

Catalog Number: JAX:006021

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: NOD.Cg-H2-Ab1$^{b\text{-}tm1Gru}$ Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1Ell/EllJ

Record Creation Time: 20250513T053654+0000

Record Last Update: 20260801T050356+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-H2-Ab1$^{b\text{-}tm1Gru}$ Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1Ell/EllJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Renga G, et al. (2024) The immune and microbial homeostasis determines the Candida-mast cells cross-talk in celiac disease. Life science alliance, 7(7).

Keppeler K, et al. (2024) Vascular dysfunction and arterial hypertension in experimental celiac disease are mediated by gut-derived inflammation and oxidative stress. Redox biology, 70, 103071.