

Resource Summary Report

Generated by T1D on Sep 6, 2026

NOD.Cg-H2-Ab1^{b-tm1Gru} Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIJ

RRID:IMSR_JAX:006023

Type: Organism

Proper Citation

RRID:IMSR_JAX:006023

Organism Information

URL: <https://www.jax.org/strain/006023>

Proper Citation: RRID:IMSR_JAX:006023

Description: Mus musculus with name NOD.Cg-H2-Ab1^{b-tm1Gru} Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIJ from IMSR.

Species: Mus musculus

Synonyms: NOD.Cg-H2-Ab1 Tg(CD4.HLA-DQA1*0102.HLA-DQB1*0602)1EII/EIJ. NOD.Cg-H2-Ab1 Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIJ. NOD.Cg-H2-Ab1 Tg(CD4.HLA-DQA*0102. HLA-DQB*0602)1EII/EIJ. NOD.Cg-Ab1 Tg(CD4. HLA-DQA*0102. HLA-DQB*0602)1EII/EIJ

Notes: gene symbol note: major histocompatibility complex; class II; DQ beta 1|histocompatibility 2; class II antigen A; beta 1|transgene insertion N8; John F Elliott|major histocompatibility complex; class II; DQ alpha 1|CD4 molecule; mutant strain|congenic strain: HLA-DQB1|H2-Ab1|Tg(CD4;HLA-DQA1;HLA-DQB1)N8EII|HLA-DQA1|CD4

Affected Gene: major histocompatibility complex; class II; DQ beta 1|histocompatibility 2; class II antigen A; beta 1|transgene insertion N8; John F Elliott|major histocompatibility complex; class II; DQ alpha 1|CD4 molecule

Genomic Alteration: transgene insertion N8; John F Elliott|targeted mutation 1; Michael J Grusby

Catalog Number: JAX:006023

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD.Cg-H2-Ab1^{b-tm1Gru} Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIIJ

Record Creation Time: 20250513T053654+0000

Record Last Update: 20260905T044437+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-H2-Ab1^{b-tm1Gru} Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIIJ.

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 have not found any literature mentions for this resource.