

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

[Tg\(CD2-CD4/HLA-DQA1/HLA-DQB1\)1EII/Tg\(CD2-CD4/HLA-DQA1/HLA-DQB1\)1EII; H2-Ab1^{tm1Gru}/H2-Ab1^{tm1Gru}](#)

RRID:MGI:3623997

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3623997

Description: Allele Detail: Targeted, Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted, Transgenic This is a legacy resource.

Phenotype: homeostasis/metabolism phenotype, heart inflammation, increased autoantibody level, prolonged PR interval, immune system phenotype, hematopoietic system phenotype, decreased susceptibility to autoimmune disorder, autoimmune response, atrioventricular block, abnormal pulmonary vein morphology, lung inflammation, salivary gland inflammation, heart inflammation, cardiac fibrosis, myocardium necrosis, myositis, abnormal heart electrocardiography waveform feature, dilated cardiomyopathy, mitral valve prolapse, autoimmune response, decreased ventricle muscle contractility, premature death

Affected Gene: H2-Ab1

Genomic Alteration: tm1Gru, Tg(CD2-CD4, HLA-DQA1, HLA-DQB1)1EII

Catalog Number: 3623997

Background: NOD.Cg-H2-Ab1 Tg(CD2-CD4,HLA-DQA1,HLA-DQB1)1EII

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10078545](#), [PMID:16751419](#), [PMID:14570980](#)

Organism Name: Tg(CD2-CD4/HLA-DQA1/HLA-DQB1)1EII/Tg(CD2-CD4/HLA-DQA1/HLA-DQB1)1EII; H2-Ab1^{tm1Gru}/H2-Ab1^{tm1Gru}

Record Creation Time: 20240120T190558+0000

Record Last Update: 20240130T202004+0000

Ratings and Alerts

No rating or validation information has been found for Tg(CD2-CD4/HLA-DQA1/HLA-DQB1)1EII/Tg(CD2-CD4/HLA-DQA1/HLA-DQB1)1EII; H2-Ab1^{tm1Gru}/H2-Ab1^{tm1Gru}.

No alerts have been found for Tg(CD2-CD4/HLA-DQA1/HLA-DQB1)1EII/Tg(CD2-CD4/HLA-DQA1/HLA-DQB1)1EII; H2-Ab1^{tm1Gru}/H2-Ab1^{tm1Gru}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.