

Resource Summary Report

Generated by ASWG on Jul 30, 2026

B6.129S2-H2-Ab1^{tm1Gru} Tg(HLA-DRA/H2-Ea.HLA-DRB1*0401/H2-Eb)1Kito

RRID:IMSR_TAC:4149

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.taconic.com/transgenic-mouse-model/abb-knockouttransgenic-hla-dr4>

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Description: Mus musculus with name B6.129S2-H2-Ab1^{tm1Gru} Tg(HLA-DRA/H2-Ea.HLA-DRB1*0401/H2-Eb)1Kito from IMSR.

Species: Mus musculus

Notes: gene symbol note: histocompatibility 2; class II antigen A; beta 1; mutant strain|congenic strain: H2-Ab1

Affected Gene: histocompatibility 2; class II antigen A; beta 1

Genomic Alteration: targeted mutation 1; Michael J Grusby

Catalog Number: TAC:4149

Database: Taconic Biosciences

Database Abbreviation: TAC

Availability: live

Organism Name: B6.129S2-H2-Ab1^{tm1Gru} Tg(HLA-DRA/H2-Ea.HLA-DRB1*0401/H2-Eb)1Kito

Record Creation Time: 20250513T053517+0000

Record Last Update: 20260725T044217+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-H2-Ab1^{tm1Gru} Tg(HLA-DRA/H2-Ea.HLA-DRB1*0401/H2-Eb)1Kito.

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: Taconic Biosciences

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Verhagen J, et al. (2019) Proinsulin peptide promotes autoimmune diabetes in a novel HLA-DR3-DQ2-transgenic murine model of spontaneous disease. Diabetologia, 62(12), 2252.

Das K, et al. (2019) A transplantable tumor model allowing investigation of NY-BR-1-specific T cell responses in HLA-DRB1*0401 transgenic mice. BMC cancer, 19(1), 914.