

Resource Summary Report

Generated by T1D on Sep 16, 2026

B6.Cg-B2m^{tm1Unc} Cd4 H2-Ab1 Tg(Cd4-CD4)2362Litt Tg(H2-Aa-HLA-DPA1)1Lone Tg(H2-Ab1-HLA-DPB1)1Lone Tg(HLA-A/H2-D/B2M)1Bpe/Orl

RRID:IMSR_EM:02221

Type: Organism

Proper Citation

RRID:IMSR_EM:02221

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=2221>

Proper Citation: RRID:IMSR_EM:02221

Description: Mus musculus with name B6.Cg-B2m^{tm1Unc} Cd4 H2-Ab1 Tg(Cd4-CD4)2362Litt Tg(H2-Aa-HLA-DPA1)1Lone Tg(H2-Ab1-HLA-DPB1)1Lone Tg(HLA-A/H2-D/B2M)1Bpe/Orl from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-B2m Cd4 H2-Ab1 Tg(Cd4-CD4)2362Litt Tg(H2-Aa-HLA-DPA1)1Lone Tg(H2-Ab1-HLA-DPB1)1Lone Tg(HLA-A/H2-D/B2M)1Bpe/Orl. Hsurivong

Notes: gene symbol note: transgene insertion 1; Beatrice Perarnau|CD4 antigen|transgene insertion 1; Yu Chun Lone|beta-2 microglobulin|histocompatibility 2; class II antigen A; beta 1|transgene insertion 2362; Dan R Littman; mutant strain: Tg(HLA-A/H2-D/B2M)1Bpe|Cd4|Tg(H2-Ab1-HLA-DPB1)1Lone|B2m|H2-Ab1|Tg(Cd4-CD4)2362Litt|Tg(H2-Aa-HLA-DPA1)1Lone

Affected Gene: transgene insertion 1; Beatrice Perarnau|CD4 antigen|transgene insertion 1; Yu Chun Lone|beta-2 microglobulin|histocompatibility 2; class II antigen A; beta 1|transgene insertion 2362; Dan R Littman

Genomic Alteration: transgene insertion 1; Beatrice Perarnau|targeted mutation 1; Dan R Littman|transgene insertion 1; Yu Chun Lone|targeted mutation 1; University of North Carolina|targeted mutation 1; Christophe Benoist and Diane Mathis|transgene insertion 2362; Dan R Littman

Catalog Number: EM:02221

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: archived

Organism Name: B6.Cg-B2m^{tm1Unc} Cd4 H2-Ab1 Tg(Cd4-CD4)2362Litt Tg(H2-Aa-HLA-DPA1)1Lone Tg(H2-Ab1-HLA-DPB1)1Lone Tg(HLA-A/H2-D/B2M)1Bpe/Orl

Record Creation Time: 20250513T062216+0000

Record Last Update: 20260912T065132+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-B2m^{tm1Unc} Cd4 H2-Ab1 Tg(Cd4-CD4)2362Litt Tg(H2-Aa-HLA-DPA1)1Lone Tg(H2-Ab1-HLA-DPB1)1Lone Tg(HLA-A/H2-D/B2M)1Bpe/Orl.

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: European Mouse Mutant Archive

Usage and Citation Metrics

We have not found any literature mentions for this resource.