

Resource Summary Report

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

B6;129S5-*Il21^{tm1Lex}*/Mmucd

RRID:MMRRC_011723-UCD

Type: Organism

Proper Citation

RRID:MMRRC_011723-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11723

Proper Citation: RRID:MMRRC_011723-UCD

Description: Mus musculus with name B6;129S5-*Il21^{tm1Lex}*/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: Lexicon

Phenotype: abnormal T cell differentiation [MP:0002145]| abnormal spleen germinal center morphology [MP:0002359]| abnormal CD4-positive [MP:0002432]| alpha beta T cell morphology [MP:0004799]| increased susceptibility to experimental autoimmune encephalomyelitis [MP:0004800]| decreased susceptibility to experimental autoimmune encephalomyelitis [MP:0005463]| abnormal CD4-positive [MP:0008075]| alpha-beta T cell physiology [MP:0008178]| decreased CD4-positive [MP:0008192]| alpha beta T cell number [MP:0008343]| decreased germinal center B cell number [MP:0008482]| abnormal germinal center B cell physiology [MP:0008495]| abnormal gamma-delta T cell morphology [MP:0008751]

Affected Gene: *Il21*

Catalog Number: 011723-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_11723-UCD, MMRRC_011723, MMRRC_11723

Organism Name: B6;129S5-*Il21^{tm1Lex}*/Mmucd

Record Creation Time: 20230308T054912+0000

Record Last Update: 20260801T123558+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-*Il21^{tm1Lex}*/Mmucd.

No alerts have been found for B6;129S5-*Il21^{tm1Lex}*/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Khattar M, et al. (2019) Interleukin 21 (IL-21) regulates chronic allograft vasculopathy (CAV) in murine heart allograft rejection. PloS one, 14(11), e0225624.

Stumhofer JS, et al. (2013) IL-21 is required for optimal antibody production and T cell responses during chronic Toxoplasma gondii infection. PloS one, 8(5), e62889.

Poholek AC, et al. (2010) In vivo regulation of Bcl6 and T follicular helper cell development. Journal of immunology (Baltimore, Md. : 1950), 185(1), 313.