

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

B6.129S-*Il21^{tm1Lex}*/Mmucd

RRID:MMRRC_032800-UCD

Type: Organism

Proper Citation

RRID:MMRRC_032800-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32800

Proper Citation: RRID:MMRRC_032800-UCD

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

Species: Mus musculus

Notes: Research areas: Cancer, Immunology and Inflammation, Virology; 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: 032800-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:19443735](#)

Alternate IDs: MMRRC_32800-UCD, MMRRC_032800, MMRRC_328

Organism Name: B6.129S-*Il21^{tm1Lex}*/Mmucd

Record Creation Time: 20230308T055130+0000

Record Last Update: 20260829T123443+0000

Ratings and Alerts

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

No alerts have been found for B6.129S-*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 [NIF](#) .

Yasmin S, et al. (2019) Interleukin-21 (IL-21) Downregulates Dendritic Cell Cytokine Responses to *Helicobacter pylori* and Modulates T Lymphocyte IL-17A Expression in Peyer's Patches during Infection. *Infection and immunity*, 87(11).

Khattar M, et al. (2014) Interleukin-21 is a critical regulator of CD4 and CD8 T cell survival during priming under Interleukin-2 deprivation conditions. *PloS one*, 9(1), e85882.

Do JS, et al. (2010) Cutting edge: spontaneous development of IL-17-producing gamma delta T cells in the thymus occurs via a TGF-beta 1-dependent mechanism. *Journal of immunology* (Baltimore, Md. : 1950), 184(4), 1675.