

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

B6;129S5-*Il22^{tm1.1Lex}*/Mmucd

RRID:MMRRC_036745-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036745-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36745

Proper Citation: RRID:MMRRC_036745-UCD

Description: Mus musculus with name B6;129S5-*Il22^{tm1.1Lex}*/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Immunology and Inflammation; Mutation Type: Targeted Mutation ; Collection: Genentech

Phenotype: abnormal colon morphology [MP:0000495]| thick dermal layer [MP:0001245]| mixed cellular infiltration to dermis [MP:0001246]| decreased body weight [MP:0001262]| multifocal hepatic necrosis [MP:0001655]| ear inflammation [MP:0001849]| lung inflammation [MP:0001861]| acanthosis [MP:0001874]| colitis [MP:0002816]| abnormal cytokine secretion [MP:0003009]| abnormal large intestine crypts of Lieberkuhn morphology [MP:0004842]| increased susceptibility to fungal infection [MP:0005399]| decreased circulating tumor necrosis factor level [MP:0008554]| increased circulating interleukin-17 level [MP:0008614]| decreased circulating interleukin-12 level [MP:0008618]| decreased circulating interleukin-1 alpha level [MP:0008639]| decreased circulating interleukin-12b level [MP:0008648]| increased susceptibility to bacterial infection induced morbidity/mortality [MP:0009788]| abnormal circulating cytokine level [MP:0010210]

Affected Gene: *Il22*

Catalog Number: 036745-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:20562862](#)

Alternate IDs: MMRRC_36745-UCD, MMRRC_036745, MMRRC_36745

Organism Name: B6;129S5-*Il22^{tm1.1Lex}*/Mmucd

Record Creation Time: 20230308T055147+0000

Record Last Update: 20260801T124338+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-*Il22^{tm1.1Lex}*/Mmucd.

No alerts have been found for B6;129S5-*Il22^{tm1.1Lex}*/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Giannou AD, et al. (2023) Tissue resident iNKT17 cells facilitate cancer cell extravasation in liver metastasis via interleukin-22. *Immunity*, 56(1), 125.

Briukhovetska D, et al. (2023) T cell-derived interleukin-22 drives the expression of CD155 by cancer cells to suppress NK cell function and promote metastasis. *Immunity*, 56(1), 143.