

Resource Summary Report

Generated by SPARC SAWG on Jul 29, 2026

BXSB.129(Cg)-Il21r^{tm1Wjl}/DcrJ

RRID:IMSR_JAX:021568

Type: Organism

Proper Citation

RRID:IMSR_JAX:021568

Organism Information

URL: <https://www.jax.org/strain/021568>

Proper Citation: RRID:IMSR_JAX:021568

Description: Mus musculus with name BXSB.129(Cg)-Il21r^{tm1Wjl}/DcrJ from IMSR.

Species: Mus musculus

Synonyms: BXSB.Yaa Il21r^{-/-}. BXSB.Yaa IL-21R^{-/-}

Notes: gene symbol note: interleukin 21 receptor|accelerated autoimmunity and lymphoproliferation transposition; mutant strain|congenic strain: Il21r^{tm1Wjl}/Yaa

Affected Gene: interleukin 21 receptor|accelerated autoimmunity and lymphoproliferation transposition

Genomic Alteration: targeted mutation 1; Warren J Leonard|accelerated autoimmunity and lymphoproliferation

Catalog Number: JAX:021568

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: BXSB.129(Cg)-Il21r^{tm1Wjl}/DcrJ

Record Creation Time: 20250513T053743+0000

Record Last Update: 20260725T044451+0000

Ratings and Alerts

No rating or validation information has been found for BXSB.129(Cg)-Il21r^{tm1Wjl}/DcrJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human systemic lupus erythematosus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Qi B, et al. (2025) A critical role for IL-21/IL-21 receptor signaling in isoproterenol-induced cardiac remodeling. Scientific reports, 15(1), 18985.

Bao C, et al. (2025) IL-21-dependent Ly6C+Ly6G+CD4+ T cells found in lung enhance macrophages function against Actinobacillus pleuropneumoniae infection in mice. Cell death discovery, 11(1), 440.

Yang S, et al. (2023) IL-21/IL-21R Promotes the Pro-Inflammatory Effects of Macrophages during C. muridarum Respiratory Infection. International journal of molecular sciences, 24(16).