

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129X1-Fcgrt^{tm1Dcr}/DcrJ

RRID:IMSR_JAX:003982

Type: Organism

Proper Citation

RRID:IMSR_JAX:003982

Organism Information

URL: <https://www.jax.org/strain/003982>

Proper Citation: RRID:IMSR_JAX:003982

Description: Mus musculus with name B6.129X1-Fcgrt^{tm1Dcr}/DcrJ from IMSR.

Species: Mus musculus

Synonyms: B6.129X1-Fcgrt. B6;129X1-Fcgrt. B6.129X1-Fcgrt/Dcr

Notes: gene symbol note: Fc fragment of IgG receptor and transporter; mutant strain|congenic strain: Fcgrt

Affected Gene: Fc fragment of IgG receptor and transporter

Genomic Alteration: targeted mutation 1; Derry C Roopenian

Catalog Number: JAX:003982

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129X1-Fcgrt^{tm1Dcr}/DcrJ

Record Creation Time: 20250513T053642+0000

Record Last Update: 20260725T044351+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Fcgrt^{tm1Dcr}/DcrJ.

No alerts have been found for B6.129X1-Fcgrt^{tm1Dcr}/DcrJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Egli J, et al. (2022) Enhanced immunogenic potential of cancer immunotherapy antibodies in human IgG1 transgenic mice. *mAbs*, 14(1), 2143009.

Sahin M, et al. (2022) Antibody bivalency improves antiviral efficacy by inhibiting virion release independently of Fc gamma receptors. *Cell reports*, 38(5), 110303.

Chuang YM, et al. (2021) Albumin fusion with granulocyte-macrophage colony-stimulating factor acts as an immunotherapy against chronic tuberculosis. *Cellular & molecular immunology*, 18(10), 2393.

Lee CH, et al. (2019) An engineered human Fc domain that behaves like a pH-toggle switch for ultra-long circulation persistence. *Nature communications*, 10(1), 5031.

Caballero-Flores G, et al. (2019) Maternal Immunization Confers Protection to the Offspring against an Attaching and Effacing Pathogen through Delivery of IgG in Breast Milk. *Cell host & microbe*, 25(2), 313.

Castaneda DC, et al. (2018) Lack of FcRn Impairs Natural Killer Cell Development and Functions in the Tumor Microenvironment. *Frontiers in immunology*, 9, 2259.

Iijima N, et al. (2016) Access of protective antiviral antibody to neuronal tissues requires CD4 T-cell help. *Nature*, 533(7604), 552.

Shan L, et al. (2016) Generation and Characterization of an IgG4 Monomeric Fc Platform. *PloS one*, 11(8), e0160345.

Petro C, et al. (2015) Herpes simplex type 2 virus deleted in glycoprotein D protects against vaginal, skin and neural disease. *eLife*, 4.

van der Flier A, et al. (2015) FcRn Rescues Recombinant Factor VIII Fc Fusion Protein from a VWF Independent FVIII Clearance Pathway in Mouse Hepatocytes. *PloS one*, 10(4), e0124930.