

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

B6.Cg-Tg(FCGRT)32Dcr Fcgrt^{tm1Dcr} Ighg1/MvwJ

RRID:IMSR_JAX:029686

Type: Organism

Proper Citation

RRID:IMSR_JAX:029686

Organism Information

URL: <https://www.jax.org/strain/029686>

Proper Citation: RRID:IMSR_JAX:029686

Description: Mus musculus with name B6.Cg-Tg(FCGRT)32Dcr Fcgrt^{tm1Dcr} Ighg1/MvwJ from IMSR.

Species: Mus musculus

Synonyms: Tg32-hFc

Notes: gene symbol note: Fc fragment of IgG receptor and transporter|immunoglobulin heavy constant gamma 1 (G1m marker)|transgene insertion 32; Derry C Roopenian; mutant strain|congenic strain: Fcgrt|Ighg1|Tg(FCGRT)32Dcr|FCGRT

Affected Gene: Fc fragment of IgG receptor and transporter|immunoglobulin heavy constant gamma 1 (G1m marker)|transgene insertion 32; Derry C Roopenian

Genomic Alteration: targeted mutation 1; Derry C Roopenian|endonuclease-mediated mutation 2; Michael V Wiles|transgene insertion 32; Derry C Roopenian

Catalog Number: JAX:029686

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(FCGRT)32Dcr Fcgrt^{tm1Dcr} Ighg1/MvwJ

Record Creation Time: 20250513T053810+0000

Record Last Update: 20260725T044515+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(FCGRT)32Dcr Fcgrt^{tm1Dcr} Ighg1/MvwJ.

No alerts have been found for B6.Cg-Tg(FCGRT)32Dcr Fcgrt^{tm1Dcr} Ighg1/MvwJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Aaen KH, et al. (2025) Tailored collagen binding of albumin-fused hyperactive coagulation factor IX dictates in vivo distribution and functional properties. Nature communications, 16(1), 8433.

Honold ST, et al. (2025) Human C. difficile-specific memory B cells encode protective IgG1 despite predominance of non-neutralizing antibodies. bioRxiv : the preprint server for biology.

Jian F, et al. (2025) Viral evolution prediction identifies broadly neutralizing antibodies to existing and prospective SARS-CoV-2 variants. Nature microbiology, 10(8), 2003.

Anthi AK, et al. (2025) An intranasal subunit vaccine induces protective systemic and mucosal antibody immunity against respiratory viruses in mouse models. Nature communications, 16(1), 3999.

Zhao P, et al. (2025) Improving dual targeting selectivity in T-cell engagers via synapse-gated and affinity-tuned trispecific antibody design. mAbs, 17(1), 2570748.

Seth NP, et al. (2025) Nipocalimab, an immunoselective FcRn blocker that lowers IgG and has unique molecular properties. mAbs, 17(1), 2461191.

Schardt JS, et al. (2024) IL-2-armored peptide-major histocompatibility class I bispecific antibodies redirect antiviral effector memory CD8+ T cells to induce potent anti-cancer cytotoxic activity with limited cytokine release. mAbs, 16(1), 2395499.

Efe O, et al. (2024) A humanized IL-2 mutein expands Tregs and prolongs transplant survival in preclinical models. The Journal of clinical investigation, 134(5).

Jain T, et al. (2024) Assessment and incorporation of in vitro correlates to pharmacokinetic outcomes in antibody developability workflows. mAbs, 16(1), 2384104.

Sam J, et al. (2024) CD19-CD28: an affinity-optimized CD28 agonist for combination with glofitamab (CD20-TCB) as off-the-shelf immunotherapy. *Blood*, 143(21), 2152.

Benjakul S, et al. (2023) A pan-SARS-CoV-2-specific soluble angiotensin-converting enzyme 2-albumin fusion engineered for enhanced plasma half-life and needle-free mucosal delivery. *PNAS nexus*, 2(12), pgad403.

Bagert JD, et al. (2023) Robust production of monovalent bispecific IgG antibodies through novel electrostatic steering mutations at the CH1-C γ interface. *mAbs*, 15(1), 2273449.