

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

B6.129P2-Ccr6^{tm1Dgen}/J

RRID:IMSR_JAX:005793

Type: Organism

Proper Citation

RRID:IMSR_JAX:005793

Organism Information

URL: <https://www.jax.org/strain/005793>

Proper Citation: RRID:IMSR_JAX:005793

Description: Mus musculus with name B6.129P2-Ccr6^{tm1Dgen}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: C-C motif chemokine receptor 6|beta-galactosidase; mutant strain|congenic strain: Ccr6|lacZ

Affected Gene: C-C motif chemokine receptor 6|beta-galactosidase

Genomic Alteration: targeted mutation 1; Deltagen

Catalog Number: JAX:005793

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2-Ccr6^{tm1Dgen}/J

Record Creation Time: 20250513T053652+0000

Record Last Update: 20260808T050854+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Ccr6^{tm1Dgen}/J.

No alerts have been found for B6.129P2-Ccr6^{tm1Dgen}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Kim CW, et al. (2026) Intestinal interleukin-22 enhances GLP-1 production via the STAT3 pathway to improve glucose homeostasis during high-fat diet induced obesity in a study with male mice. *Nature communications*, 17(1).

Meitei HT, et al. (2026) CCL20-CCR6 signaling alters the metabolic reprogramming to promote the pathogenic Th17 cell differentiation. *iScience*, 29(1), 114385.

Drouillard D, et al. (2026) Mutant KRAS promotes NF- κ B driven CCL20 chemokine expression in pancreatic ductal adenocarcinoma. *bioRxiv : the preprint server for biology*.

Meghwani H, et al. (2025) CCL20/CCR6 signaling modulates disease severity during the establishment of *Staphylococcus aureus* osteomyelitis. *mBio*, 16(10), e0141325.

Lemarquis AL, et al. (2025) Recirculating regulatory T cells mediate thymic regeneration through amphiregulin following damage. *Immunity*, 58(2), 397.

Zeng Q, et al. (2025) Gut microbiota-driven pathogenic Th17 cells mediated autoimmune epididymo-orchitis in a mouse model of colitis. *iScience*, 28(5), 112508.

Cha J, et al. (2024) Skin microbe-dependent TSLP-ILC2 priming axis in early life is co-opted in allergic inflammation. *Cell host & microbe*, 32(2), 244.

Frascoli M, et al. (2023) Skin ?? T cell inflammatory responses are hardwired in the thymus by oxysterol sensing via GPR183 and calibrated by dietary cholesterol. *Immunity*, 56(3), 562.

Gregoire C, et al. (2022) Viral infection engenders bona fide and bystander subsets of lung-resident memory B cells through a permissive mechanism. *Immunity*, 55(7), 1216.

Liu N, et al. (2022) Dynamic trafficking patterns of IL-17-producing ?? T cells are linked to the recurrence of skin inflammation in psoriasis-like dermatitis. *EBioMedicine*, 82, 104136.

Kfoury Y, et al. (2021) Human prostate cancer bone metastases have an actionable immunosuppressive microenvironment. *Cancer cell*, 39(11), 1464.

Sakamoto K, et al. (2021) Disruption of the endopeptidase ADAM10-Notch signaling axis leads to skin dysbiosis and innate lymphoid cell-mediated hair follicle destruction. *Immunity*, 54(10), 2321.

Albright AR, et al. (2019) TGF β signaling in germinal center B cells promotes the transition from light zone to dark zone. *The Journal of experimental medicine*, 216(11), 2531.

Scharschmidt TC, et al. (2017) Commensal Microbes and Hair Follicle Morphogenesis Coordinately Drive Treg Migration into Neonatal Skin. *Cell host & microbe*, 21(4), 467.

Nandi B, et al. (2014) CCR6, the sole receptor for the chemokine CCL20, promotes spontaneous intestinal tumorigenesis. *PloS one*, 9(5), e97566.

Coursey TG, et al. (2013) Chemokine receptors CCR6 and CXCR3 are necessary for CD4(+) T cell mediated ocular surface disease in experimental dry eye disease. *PloS one*, 8(11), e78508.

Barth T, et al. (2012) An early reduction in Treg cells correlates with enhanced local inflammation in cutaneous leishmaniasis in CCR6-deficient mice. *PloS one*, 7(9), e44499.

Liu J, et al. (2011) Tumor-associated macrophages recruit CCR6+ regulatory T cells and promote the development of colorectal cancer via enhancing CCL20 production in mice. *PloS one*, 6(4), e19495.

Li Q, et al. (2011) Plasmin plays an essential role in amplification of psoriasiform skin inflammation in mice. *PloS one*, 6(2), e16483.