# Resource Summary Report

Generated by NIF on Sep 12, 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: beta-galactosidase|C-C motif chemokine receptor 6; mutant strain|congenic strain: lacZ|Ccr6

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

**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:** 20260905T044435+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 NIF .


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-?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? 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.