

Resource Summary Report

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B6.129P2(C)-Ccr7^{tm1Rfor}/J

RRID:IMSR_JAX:006621

Type: Organism

Proper Citation

RRID:IMSR_JAX:006621

Organism Information

URL: <https://www.jax.org/strain/006621>

Proper Citation: RRID:IMSR_JAX:006621

Description: Mus musculus with name B6.129P2(C)-Ccr7^{tm1Rfor}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: C-C motif chemokine receptor 7; mutant strain|congenic strain: Ccr7

Affected Gene: C-C motif chemokine receptor 7

Genomic Alteration: targeted mutation 1; Reinhold Forster

Catalog Number: JAX:006621

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2(C)-Ccr7^{tm1Rfor}/J

Record Creation Time: 20250513T053657+0000

Record Last Update: 20260801T050400+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2(C)-Ccr7^{tm1Rfor}/J.

No alerts have been found for B6.129P2(C)-Ccr7^{tm1Rfor}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Carroll SL, et al. (2025) Identification of distinct cDC2 subpopulations that direct microbiota-specific T cell differentiation. bioRxiv : the preprint server for biology.

Baptista AP, et al. (2025) TLR ligand sensing by lymph node FRCs directs intranodal lymphocyte accumulation to promote immune responses. iScience, 28(11), 113734.

Wells AC, et al. (2024) Adaptive immunity to retroelements promotes barrier integrity. bioRxiv : the preprint server for biology.

Sprooten J, et al. (2024) Lymph node and tumor-associated PD-L1+ macrophages antagonize dendritic cell vaccines by suppressing CD8+ T cells. Cell reports. Medicine, 5(1), 101377.

Li Y, et al. (2023) CCR4 and CCR7 differentially regulate thymocyte localization with distinct outcomes for central tolerance. eLife, 12.

Rawat K, et al. (2023) CCL5-producing migratory dendritic cells guide CCR5+ monocytes into the draining lymph nodes. The Journal of experimental medicine, 220(6).

Choi Y, et al. (2023) Immune checkpoint blockade induces gut microbiota translocation that augments extraintestinal antitumor immunity. Science immunology, 8(81), eabo2003.

Ugur M, et al. (2023) Lymph node medulla regulates the spatiotemporal unfolding of resident dendritic cell networks. Immunity, 56(8), 1778.

Borriello F, et al. (2022) An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. Cell, 185(4), 614.

Ten Hove AL, et al. (2022) The Toxoplasma effector GRA28 promotes parasite dissemination by inducing dendritic cell-like migratory properties in infected macrophages. Cell host & microbe, 30(11), 1570.

Schineis P, et al. (2021) Photochemical internalization (PCI)-mediated activation of CD8 T cells involves antigen uptake and CCR7-mediated transport by migratory dendritic cells to draining lymph nodes. Journal of controlled release : official journal of the Controlled Release Society, 332, 96.

Ghilas S, et al. (2021) Natural killer cells and dendritic epidermal ?? T cells orchestrate type 1 conventional DC spatiotemporal repositioning toward CD8+ T cells. iScience, 24(9),

103059.

Ryu SH, et al. (2021) Granulocyte Macrophage-Colony Stimulating Factor Produces a Splenic Subset of Monocyte-Derived Dendritic Cells That Efficiently Polarize T Helper Type 2 Cells in Response to Blood-Borne Antigen. *Frontiers in immunology*, 12, 767037.

Da Mesquita S, et al. (2021) Aging-associated deficit in CCR7 is linked to worsened lymphatic function, cognition, neuroinflammation, and β -amyloid pathology. *Science advances*, 7(21).

Williams JW, et al. (2020) Limited proliferation capacity of aortic intima resident macrophages requires monocyte recruitment for atherosclerotic plaque progression. *Nature immunology*, 21(10), 1194.

Lian J, et al. (2020) Targeting Lymph Node Niches Enhances Type 1 Immune Responses to Immunization. *Cell reports*, 31(8), 107679.

Zhivaki D, et al. (2020) Inflammasomes within Hyperactive Murine Dendritic Cells Stimulate Long-Lived T Cell-Mediated Anti-tumor Immunity. *Cell reports*, 33(7), 108381.

Ruhland MK, et al. (2020) Visualizing Synaptic Transfer of Tumor Antigens among Dendritic Cells. *Cancer cell*, 37(6), 786.

Curato C, et al. (2019) DC Respond to Cognate T Cell Interaction in the Antigen-Challenged Lymph Node. *Frontiers in immunology*, 10, 863.

Min J, et al. (2018) Inflammation induces two types of inflammatory dendritic cells in inflamed lymph nodes. *Experimental & molecular medicine*, 50(3), e458.