

Resource Summary Report

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B6.FVB-1700016L21Rik^{Tg(Itgax-HBEGF/EGFP)57Lan/J}

RRID:IMSR_JAX:004509

Type: Organism

Proper Citation

RRID:IMSR_JAX:004509

Organism Information

URL: <https://www.jax.org/strain/004509>

Proper Citation: RRID:IMSR_JAX:004509

Description: Mus musculus with name B6.FVB-1700016L21Rik^{Tg(Itgax-HBEGF/EGFP)57Lan/J} from IMSR.

Species: Mus musculus

Synonyms: B6.FVB-1700016L21Rik/J. B6.FVB-Tg(Itgax-DTR/GFP)57Lan/J. CD11c-DTR. B6.FVB-Tg(Itgax-DTR/EGFP)57Lan/J. B6.FVB-Tg(Itgax-DTR/GFP)57Drl. B6.FVB-Tg(Itgax-DTR/GFP)57Litt

Notes: gene symbol note: RIKEN cDNA 1700016L21 gene|Simian Diphtheria Toxin Receptor|integrin alpha X|; mutant strain|congenic strain: 1700016L21Rik|DTR|Itgax|

Affected Gene: RIKEN cDNA 1700016L21 gene|Simian Diphtheria Toxin Receptor|integrin alpha X|

Genomic Alteration: transgene insertion 57; Richard A Lang

Catalog Number: JAX:004509

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.FVB-1700016L21Rik^{Tg(Itgax-HBEGF/EGFP)57Lan/J}

Record Creation Time: 20250513T053645+0000

Record Last Update: 20260725T044355+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-1700016L21Rik^{Tg(Itgax-HBEGF/EGFP)57Lan/J}.

No alerts have been found for B6.FVB-1700016L21Rik^{Tg(Itgax-HBEGF/EGFP)57Lan/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Ghena N, et al. (2025) CD11c-Expressing Microglia Are Transient, Driven by Interactions With Apoptotic Cells. *Glia*, 73(5), 1077.

Moraitis I, et al. (2025) Mucosal Macrophages Govern Intestinal Regeneration in Response to Injury. *Gastroenterology*, 169(1), 119.

Kohno K, et al. (2025) Interleukin-4 induces CD11c+ microglia leading to amelioration of neuropathic pain in mice. *eLife*, 14.

Ziblat A, et al. (2024) Batf3+ DCs and the 4-1BB/4-1BBL axis are required at the effector phase in the tumor microenvironment for PD-1/PD-L1 blockade efficacy. *Cell reports*, 43(5), 114141.

Zhou Z, et al. (2024) Rebalancing TGF- β /PGE2 breaks RT-induced immunosuppressive barriers by enhancing tumor-infiltrated dendritic cell homing. *International journal of biological sciences*, 20(1), 367.

Kieler M, et al. (2024) Itaconate is a metabolic regulator of bone formation in homeostasis and arthritis. *Annals of the rheumatic diseases*, 83(11), 1465.

Waibl Polania J, et al. (2024) Antigen presentation by tumor-associated macrophages drives T cells from a progenitor exhaustion state to terminal exhaustion. *Immunity*.

Kandasamy K, et al. (2023) Maternal dendritic cells influence fetal allograft response following murine in-utero hematopoietic stem cell transplantation. *Stem cell research & therapy*, 14(1), 136.

Zhu L, et al. (2023) SLC38A5 aggravates DC-mediated psoriasiform skin inflammation via potentiating lysosomal acidification. *Cell reports*, 42(8), 112910.

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.

Anderton H, et al. (2022) Langerhans cells are an essential cellular intermediary in chronic dermatitis. *Cell reports*, 39(10), 110922.

Sauter M, et al. (2022) Apolipoprotein E derived from CD11c⁺ cells ameliorates atherosclerosis. *iScience*, 25(1), 103677.

Luu T, et al. (2021) Priming of myelin-specific T cells in the absence of dendritic cells results in accelerated development of Experimental Autoimmune Encephalomyelitis. *PloS one*, 16(4), e0250340.

Hausmann A, et al. (2021) Intercrypt sentinel macrophages tune antibacterial NF- κ B responses in gut epithelial cells via TNF. *The Journal of experimental medicine*, 218(11).

Lefebvre MN, et al. (2021) Expeditious recruitment of circulating memory CD8 T cells to the liver facilitates control of malaria. *Cell reports*, 37(5), 109956.

De Simone G, et al. (2021) Identification of a Kupffer cell subset capable of reverting the T cell dysfunction induced by hepatocellular priming. *Immunity*, 54(9), 2089.

Lightman SM, et al. (2021) Indoleamine 2,3-dioxygenase 1 is essential for sustaining durable antibody responses. *Immunity*, 54(12), 2772.

Jamali A, et al. (2020) Characterization of Resident Corneal Plasmacytoid Dendritic Cells and Their Pivotal Role in Herpes Simplex Keratitis. *Cell reports*, 32(9), 108099.

Kurup SP, et al. (2019) Monocyte-Derived CD11c⁺ Cells Acquire Plasmodium from Hepatocytes to Prime CD8 T Cell Immunity to Liver-Stage Malaria. *Cell host & microbe*, 25(4), 565.

Braza MS, et al. (2018) Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. *Immunity*, 49(5), 819.