

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129P2-Cd40^{tm1Kik/J}

RRID:IMSR_JAX:002928

Type: Organism

Proper Citation

RRID:IMSR_JAX:002928

Organism Information

URL: <https://www.jax.org/strain/002928>

Proper Citation: RRID:IMSR_JAX:002928

Description: Mus musculus with name B6.129P2-Cd40^{tm1Kik/J} from IMSR.

Species: Mus musculus

Synonyms: Cd40. B6.129P2-Tnfrsf5/J

Notes: gene symbol note: CD40 antigen; mutant strain|congenic strain: Cd40

Affected Gene: CD40 antigen

Genomic Alteration: targeted mutation 1; Hitoshi Kikutani

Catalog Number: JAX:002928

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Cd40^{tm1Kik/J}

Record Creation Time: 20250513T053636+0000

Record Last Update: 20260725T044345+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Cd40^{tm1Kik/J}.

No alerts have been found for B6.129P2-Cd40^{tm1Kik/J}.

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](#) .

Schiele P, et al. (2025) CD8+ T cell-derived CD40L mediates noncanonical cytotoxicity in CD40-expressing cancer cells. *Science advances*, 11(21), eadr9331.

Tatsumi N, et al. (2025) CD301b+ dendritic cell-derived IL-2 dictates CD4+ T helper cell differentiation. *Nature communications*, 16(1), 2002.

Das M, et al. (2025) *S. aureus* exposure during cutaneous antigen sensitization causes basophil- and interleukin-4-dependent exaggerated food anaphylaxis. *Immunity*.

Enriquez AB, et al. (2022) *Mycobacterium tuberculosis* impedes CD40-dependent notch signaling to restrict Th17 polarization during infection. *iScience*, 25(5), 104305.

Ma C, et al. (2022) Platelets control liver tumor growth through P2Y12-dependent CD40L release in NAFLD. *Cancer cell*, 40(9), 986.

Munroe ME, et al. (2020) Epstein-Barr Functional Mimicry: Pathogenicity of Oncogenic Latent Membrane Protein-1 in Systemic Lupus Erythematosus and Autoimmunity. *Frontiers in immunology*, 11, 606936.

Su RC, et al. (2020) CD40 Receptor Knockout Protects against Microcystin-LR (MC-LR) Prolongation and Exacerbation of Dextran Sulfate Sodium (DSS)-Induced Colitis. *Biomedicines*, 8(6).

Lobo PI, et al. (2017) Natural IgM and TLR Agonists Switch Murine Splenic Pan-B to "Regulatory" Cells That Suppress Ischemia-Induced Innate Inflammation via Regulating NKT-1 Cells. *Frontiers in immunology*, 8, 974.

Gardell JL, et al. (2017) Despite disorganized synapse structure, Th2 cells maintain directional delivery of CD40L to antigen-presenting B cells. *PloS one*, 12(10), e0186573.

Provine NM, et al. (2016) Transient CD4+ T Cell Depletion Results in Delayed Development of Functional Vaccine-Elicited Antibody Responses. *Journal of virology*, 90(9), 4278.

Satpathy AT, et al. (2013) Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching-and-effacing bacterial pathogens. *Nature immunology*, 14(9), 937.

Yoshizaki A, et al. (2012) Regulatory B cells control T-cell autoimmunity through IL-21-dependent cognate interactions. *Nature*, 491(7423), 264.