

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 30, 2026

B6.129P2-Icos^{tm1Mak/J}

RRID:IMSR_JAX:004859

Type: Organism

Proper Citation

RRID:IMSR_JAX:004859

Organism Information

URL: <https://www.jax.org/strain/004859>

Proper Citation: RRID:IMSR_JAX:004859

Description: Mus musculus with name B6.129P2-Icos^{tm1Mak/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: inducible T cell co-stimulator; mutant strain|congenic strain: Icos

Affected Gene: inducible T cell co-stimulator

Genomic Alteration: targeted mutation 1; Tak Mak

Catalog Number: JAX:004859

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129P2-Icos^{tm1Mak/J}

Record Creation Time: 20250513T053647+0000

Record Last Update: 20260829T044937+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Icos^{tm1Mak/J}.

No alerts have been found for B6.129P2-Icos^{tm1Mak/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Verma S, et al. (2024) Antigen-level resolution of commensal-specific B cell responses can be enabled by phage display screening coupled with B cell tetramers. *Immunity*, 57(6), 1428.

Li X, et al. (2024) Deficiency of CBL and CBLB ubiquitin ligases leads to hyper T follicular helper cell responses and lupus by reducing BCL6 degradation. *Immunity*, 57(7), 1603.

Stoppa I, et al. (2022) ICOSL Stimulation by ICOS-Fc Accelerates Cutaneous Wound Healing In Vivo. *International journal of molecular sciences*, 23(13).

Alves GF, et al. (2022) ICOS-Fc as innovative immunomodulatory approach to counteract inflammation and organ injury in sepsis. *Frontiers in immunology*, 13, 992614.

Song W, et al. (2022) Development of Tbet- and CD11c-expressing B cells in a viral infection requires T follicular helper cells outside of germinal centers. *Immunity*, 55(2), 290.

Peng C, et al. (2022) Engagement of the costimulatory molecule ICOS in tissues promotes establishment of CD8+ tissue-resident memory T cells. *Immunity*, 55(1), 98.

Raineri D, et al. (2021) Inducible T-Cell Costimulator Ligand Plays a Dual Role in Melanoma Metastasis upon Binding to Osteopontin or Inducible T-Cell Costimulator. *Biomedicines*, 10(1).

Mittelsteadt KL, et al. (2021) ICOS signaling limits regulatory T cell accumulation and function in visceral adipose tissue. *The Journal of experimental medicine*, 218(6).

Wan S, et al. (2021) Costimulation molecules differentially regulate the ERK-Zfp831 axis to shape T follicular helper cell differentiation. *Immunity*, 54(12), 2740.

Verma M, et al. (2021) The molecular and epigenetic mechanisms of innate lymphoid cell (ILC) memory and its relevance for asthma. *The Journal of experimental medicine*, 218(7).

Cui C, et al. (2021) Neoantigen-driven B cell and CD4 T follicular helper cell collaboration promotes anti-tumor CD8 T cell responses. *Cell*, 184(25), 6101.

Latham LE, et al. (2020) ICOS signaling promotes a secondary humoral response after re-challenge with *Plasmodium chabaudi chabaudi* AS. *PLoS pathogens*, 16(4), e1008527.

Clemente N, et al. (2020) Immunotherapy of experimental melanoma with ICOS-Fc loaded in biocompatible and biodegradable nanoparticles. *Journal of controlled release : official journal of the Controlled Release Society*, 320, 112.

Raineri D, et al. (2020) Osteopontin binds ICOSL promoting tumor metastasis. *Communications biology*, 3(1), 615.

Buus TB, et al. (2016) Development of interleukin-17-producing V α 2+ $\gamma\gamma$ T cells is reduced by ICOS signaling in the thymus. *Oncotarget*, 7(15), 19341.

Stone EL, et al. (2015) ICOS coreceptor signaling inactivates the transcription factor FOXO1 to promote Tfh cell differentiation. *Immunity*, 42(2), 239.

Moguche AO, et al. (2015) ICOS and Bcl6-dependent pathways maintain a CD4 T cell population with memory-like properties during tuberculosis. *The Journal of experimental medicine*, 212(5), 715.