Resource Summary Report

Generated by ASWG on Aug 9, 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: 20260808T050848+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 ASWG .

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).

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).

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

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?2+ ?? 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.