

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

C57BL/6-Nos2^{tm1} Mrl

RRID:IMSR_TAC:14897

Type: Organism

Proper Citation

RRID:IMSR_TAC:14897

Organism Information

URL: <https://www.taconic.com/mouse-model/nos2-ko-14897>

Proper Citation: RRID:IMSR_TAC:14897

Description: Mus musculus with name C57BL/6-Nos2^{tm1} Mrl from IMSR.

Species: Mus musculus

Notes: gene symbol note: nitric oxide synthase 2; inducible; mutant strain: Nos2

Affected Gene: nitric oxide synthase 2; inducible

Catalog Number: TAC:14897

Database: Taconic Biosciences

Database Abbreviation: TAC

Availability: archived

Organism Name: C57BL/6-Nos2^{tm1} Mrl

Record Creation Time: 20250513T053517+0000

Record Last Update: 20260912T060259+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Nos2^{tm1} Mrl.

No alerts have been found for C57BL/6-Nos2^{tm1} Mrl.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Taconic Biosciences

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Puebla S, et al. (2025) The Length of Lactation and Model of Weaning Modulate Key Regulatory Nodes of Murine Mammary Gland Involution. International journal of molecular sciences, 26(21).

Reece ST, et al. (2018) Mycobacterium tuberculosis-Infected Hematopoietic Stem and Progenitor Cells Unable to Express Inducible Nitric Oxide Synthase Propagate Tuberculosis in Mice. The Journal of infectious diseases, 217(10), 1667.

Gengenbacher M, et al. (2017) NOS2-deficient mice with hypoxic necrotizing lung lesions predict outcomes of tuberculosis chemotherapy in humans. Scientific reports, 7(1), 8853.

Chaudhuri S, et al. (2013) The Listeria monocytogenes ChiA chitinase enhances virulence through suppression of host innate immunity. mBio, 4(2), e00617.

Barron L, et al. (2013) Role of arginase 1 from myeloid cells in th2-dominated lung inflammation. PloS one, 8(4), e61961.

Serafini P, et al. (2006) Phosphodiesterase-5 inhibition augments endogenous antitumor immunity by reducing myeloid-derived suppressor cell function. The Journal of experimental medicine, 203(12), 2691.

Kahn DA, et al. (2001) Adjuvant immunotherapy is dependent on inducible nitric oxide synthase. The Journal of experimental medicine, 193(11), 1261.