

Resource Summary Report

Generated by [NIF](#) on Aug 17, 2026

B6.129S4-Arg1^{tm1.1Lky/J}

RRID:IMSR_JAX:015857

Type: Organism

Proper Citation

RRID:IMSR_JAX:015857

Organism Information

URL: <https://www.jax.org/strain/015857>

Proper Citation: RRID:IMSR_JAX:015857

Description: Mus musculus with name B6.129S4-Arg1^{tm1.1Lky/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129S4-Arg1/J

Notes: gene symbol note: arginase; liver|; mutant strain|congenic strain: Arg1|

Affected Gene: arginase; liver|

Genomic Alteration: targeted mutation 1.1; Richard M Locksley

Catalog Number: JAX:015857

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4-Arg1^{tm1.1Lky/J}

Record Creation Time: 20250513T053728+0000

Record Last Update: 20260815T050640+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Arg1^{tm1.1Lky/J}.

No alerts have been found for B6.129S4-Arg1^{tm1.1Lky/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Can UI, et al. (2025) Rapid group-2 innate lymphoid cell mobilization from the intestine aids in early lung defense and repair. Cell reports, 44(7), 115868.

Passino R, et al. (2024) Neutrophil-inflicted vasculature damage suppresses immune-mediated optic nerve regeneration. Cell reports, 43(3), 113931.

Sosnowska A, et al. (2021) Inhibition of arginase modulates T-cell response in the tumor microenvironment of lung carcinoma. Oncoimmunology, 10(1), 1956143.

Esser AK, et al. (2020) Nanotherapy delivery of c-myc inhibitor targets Protumor Macrophages and preserves Antitumor Macrophages in Breast Cancer. Theranostics, 10(17), 7510.

Engler AE, et al. (2020) Airway-Associated Macrophages in Homeostasis and Repair. Cell reports, 33(13), 108553.

Lechner AJ, et al. (2017) Recruited Monocytes and Type 2 Immunity Promote Lung Regeneration following Pneumonectomy. Cell stem cell, 21(1), 120.