

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

C.129X1(B6)-Ido1^{tm1Alm}/J

RRID:IMSR_JAX:012427

Type: Organism

Proper Citation

RRID:IMSR_JAX:012427

Organism Information

URL: <https://www.jax.org/strain/012427>

Proper Citation: RRID:IMSR_JAX:012427

Description: Mus musculus with name C.129X1(B6)-Ido1^{tm1Alm}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: indoleamine 2;3-dioxygenase 1; mutant strain|congenic strain: Ido1

Affected Gene: indoleamine 2;3-dioxygenase 1

Genomic Alteration: targeted mutation 1; Andrew L Mellor

Catalog Number: JAX:012427

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.129X1(B6)-Ido1^{tm1Alm}/J

Record Creation Time: 20250513T053720+0000

Record Last Update: 20260905T044505+0000

Ratings and Alerts

No rating or validation information has been found for C.129X1(B6)-Ido1^{tm1Alm}/J.

No alerts have been found for C.129X1(B6)-Ido1^{tm1Alm}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Brown J, et al. (2022) Microbiota-mediated skewing of tryptophan catabolism modulates CD4+ T??cells in lupus-prone mice. iScience, 25(5), 104241.

Hezaveh K, et al. (2022) Tryptophan-derived microbial metabolites activate the aryl hydrocarbon receptor in tumor-associated macrophages to suppress anti-tumor immunity. Immunity, 55(2), 324.

Davison LM, et al. (2019) Limited Effect of Indolamine 2,3-Dioxygenase Expression and Enzymatic Activity on Lupus-Like Disease in B6.Nba2 Mice. Frontiers in immunology, 10, 2017.