

Resource Summary Report

Generated by SPARC SAWG on Aug 8, 2026

B6.129X1-Elane^{tm1Sds/J}

RRID:IMSR_JAX:006112

Type: Organism

Proper Citation

RRID:IMSR_JAX:006112

Organism Information

URL: <https://www.jax.org/strain/006112>

Proper Citation: RRID:IMSR_JAX:006112

Description: Mus musculus with name B6.129X1-Elane^{tm1Sds/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129X1-Ela2/J

Notes: gene symbol note: elastase; neutrophil expressed; mutant strain|congenic strain: Elane

Affected Gene: elastase; neutrophil expressed

Genomic Alteration: targeted mutation 1; Steven D Shapiro

Catalog Number: JAX:006112

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129X1-Elane^{tm1Sds/J}

Record Creation Time: 20250513T053654+0000

Record Last Update: 20260808T050857+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Elane^{tm1Sds/J}.

No alerts have been found for B6.129X1-Elane^{tm1Sds}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Yang M, et al. (2021) Neutrophil elastase promotes neointimal hyperplasia by targeting toll-like receptor 4 (TLR4)-NF-??B signalling. British journal of pharmacology, 178(20), 4048.

Kovacs SB, et al. (2020) Neutrophil Caspase-11 Is Essential to Defend against a Cytosol-Invasive Bacterium. Cell reports, 32(4), 107967.

Crespo M, et al. (2020) Neutrophil infiltration regulates clock-gene expression to organize daily hepatic metabolism. eLife, 9.

Liu H, et al. (2019) Neutrophil elastase contributes to the pathological vascular permeability characteristic of diabetic retinopathy. Diabetologia, 62(12), 2365.