

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

C57BL/6J-Kit^{W-v/J}

RRID:IMSR_JAX:000049

Type: Organism

Proper Citation

RRID:IMSR_JAX:000049

Organism Information

URL: <https://www.jax.org/strain/000049>

Proper Citation: RRID:IMSR_JAX:000049

Description: Mus musculus with name C57BL/6J-Kit^{W-v/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: Kit proto-oncogene receptor tyrosine kinase; mutant strain: Kit

Affected Gene: Kit proto-oncogene receptor tyrosine kinase

Genomic Alteration: viable dominant spotting

Catalog Number: JAX:000049

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6J-Kit^{W-v/J}

Record Creation Time: 20250513T053614+0000

Record Last Update: 20260912T060400+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Kit^{W-v/J}.

No alerts have been found for C57BL/6J-Kit^{W-v/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](#) .

Smith ER, et al. (2024) AMH regulates a mosaic population of AMHR2-positive cells in the ovarian surface epithelium. *The Journal of biological chemistry*, 300(11), 107897.

Koroleva K, et al. (2019) Meningeal Mast Cells Contribute to ATP-Induced Nociceptive Firing in Trigeminal Nerve Terminals: Direct and Indirect Purinergic Mechanisms Triggering Migraine Pain. *Frontiers in cellular neuroscience*, 13, 195.

Tsuji-Hosokawa A, et al. (2018) Peptidyl arginine deiminase 2 (Padi2) is expressed in Sertoli cells in a specific manner and regulated by SOX9 during testicular development. *Scientific reports*, 8(1), 13263.

Moretti R, et al. (2016) Contribution of mast cells to injury mechanisms in a mouse model of pediatric traumatic brain injury. *Journal of neuroscience research*, 94(12), 1546.

Fanslow DA, et al. (2014) Genome editing in mouse spermatogonial stem/progenitor cells using engineered nucleases. *PloS one*, 9(11), e112652.

Wulff BC, et al. (2012) Mast cells contribute to scar formation during fetal wound healing. *The Journal of investigative dermatology*, 132(2), 458.