

Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

B6.Cg-Kit^{W-sh}/HNihrJaeBsmJ

RRID:IMSR_JAX:030764

Type: Organism

Proper Citation

RRID:IMSR_JAX:030764

Organism Information

URL: <https://www.jax.org/strain/030764>

Proper Citation: RRID:IMSR_JAX:030764

Description: Mus musculus with name B6.Cg-Kit^{W-sh}/HNihrJaeBsmJ from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Kit/BsmJ. STOCK Kit/HNihrJaeBsmJ

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

Affected Gene: Kit proto-oncogene receptor tyrosine kinase

Genomic Alteration: sash

Catalog Number: JAX:030764

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Kit^{W-sh}/HNihrJaeBsmJ

Record Creation Time: 20250513T053817+0000

Record Last Update: 20260801T050528+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Kit^{W-sh}/HNihrJaeBsmJ.

No alerts have been found for B6.Cg-Kit^{W-sh}/HNihrJaeBsmJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Ma W, et al. (2025) Embryonic mast cells arise from the Cpa3-expressing precursors but not granulocyte-monocyte progenitors. *Science China. Life sciences*, 68(8), 2363.

Billipp TE, et al. (2024) Tuft cell-derived acetylcholine promotes epithelial chloride secretion and intestinal helminth clearance. *Immunity*, 57(6), 1243.

Su Y, et al. (2024) Brainstem Dbh+ Neurons Control Chronic Allergen-Induced Airway Hyperreactivity. *bioRxiv : the preprint server for biology*.

Li Y, et al. (2023) Choroid plexus mast cells drive tumor-associated hydrocephalus. *Cell*, 186(26), 5719.

Jones BM, et al. (2023) The mast cell stimulator compound 48/80 causes urothelium-dependent increases in murine urinary bladder contractility. *American journal of physiology. Renal physiology*, 325(1), F50.

Lama JK, et al. (2022) Blocking the inhibitory receptor programmed cell death 1 prevents allergic immune response and anaphylaxis in mice. *The Journal of allergy and clinical immunology*, 150(1), 178.

Kaur K, et al. (2021) GM-CSF production by non-classical monocytes controls antagonistic LPS-driven functions in allergic inflammation. *Cell reports*, 37(13), 110178.

Wang F, et al. (2021) A basophil-neuronal axis promotes itch. *Cell*, 184(2), 422.

Ge Z, et al. (2020) Identification of a new strain of mouse kidney parvovirus associated with inclusion body nephropathy in immunocompromised laboratory mice. *Emerging microbes & infections*, 9(1), 1814.

Perner C, et al. (2020) Substance P Release by Sensory Neurons Triggers Dendritic Cell Migration and Initiates the Type-2 Immune Response to Allergens. *Immunity*, 53(5), 1063.

Tellechea A, et al. (2016) Mast Cells Regulate Wound Healing in Diabetes. *Diabetes*, 65(7), 2006.

Knolhoff AM, et al. (2013) Combining small-volume metabolomic and transcriptomic approaches for assessing brain chemistry. *Analytical chemistry*, 85(6), 3136.

Rudick CN, et al. (2008) Mast cell-derived histamine mediates cystitis pain. PloS one, 3(5), e2096.