

Resource Summary Report

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B6.Cg-Commd10^{Tg(Vav1-icre)}A2Kio/J

RRID:IMSR_JAX:008610

Type: Organism

Proper Citation

RRID:IMSR_JAX:008610

Organism Information

URL: <https://www.jax.org/strain/008610>

Proper Citation: RRID:IMSR_JAX:008610

Description: Mus musculus with name B6.Cg-Commd10^{Tg(Vav1-icre)}A2Kio/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Vav1-cre)A2Kio/J. B6.Cg-Tg(Vav1-icre)A2Kio/J

Notes: gene symbol note: |vav guanine nucleotide exchange factor 1|COMM domain containing 10; congenic strain: |Vav1|Commd10

Affected Gene: |vav guanine nucleotide exchange factor 1|COMM domain containing 10

Genomic Alteration: transgene insertion A2; Dimitris Kioussis

Catalog Number: JAX:008610

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Commd10^{Tg(Vav1-icre)}A2Kio/J

Record Creation Time: 20250513T053710+0000

Record Last Update: 20260725T044421+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community.
Contact(s): [Golnaz Vahedi](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6.Cg-Commd10^{Tg(Vav1-icre)}A2Kio/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 203 mentions in open access literature.

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

Huang F, et al. (2026) Nat10-mediated ac4C epitranscriptomics orchestrates hematopoietic stem/progenitor cell fate determination via translation control. *Science advances*, 12(2), eady0301.

Selvaratnam JS, et al. (2025) Interlinked roles for HEB and Id3 in fetal gamma-delta T cell commitment and functional programming. *bioRxiv : the preprint server for biology*.

Chen KY, et al. (2025) Inflammation switches the chemoattractant requirements for naive lymphocyte entry into lymph nodes. *Cell*, 188(4), 1019.

Nelson AN, et al. (2025) STAT1-mediated interferon signaling in the hematopoietic system is essential for restricting Usutu virus infection in vivo. *PLoS neglected tropical diseases*, 19(7), e0013317.

Wei W, et al. (2025) Beclin 1 prevents ISG15-mediated cytokine storms to secure fetal hematopoiesis and survival. *The Journal of clinical investigation*, 135(3).

Amorós-Pérez M, et al. (2025) Lamin A/C Expression in Hematopoietic Cells Declines During Human Aging and Constrains Atherosclerosis in Mice. *Arteriosclerosis, thrombosis, and vascular biology*, 45(9), 1616.

Saka S, et al. (2025) Chromatin factor YY1 controls fetal hematopoietic stem cell migration and engraftment in mice. *The Journal of clinical investigation*, 135(19).

Tomishima SA, et al. (2025) The E3 ubiquitin ligase Cul5 regulates hematopoietic stem cell function for steady-state hematopoiesis in mice. *The Journal of clinical investigation*, 135(17).

da Silva-Diz V, et al. (2025) A feedforward loop between ACLY and MYC supports T-ALL progression in vivo. *Blood neoplasia*, 2(2), 100069.

Rajaiah R, et al. (2025) CK2? Deletion in the Hematopoietic Compartment Shows a Mild Alteration in Terminally Differentiated Cells and the Expansion of Stem Cells. *Cells*, 14(13).

Zhu Y, et al. (2025) Transcription factors TCF4 and KLF4 respectively control the development of the DC2A and DC2B lineages. *Nature immunology*, 26(8), 1275.

Poddar S, et al. (2025) ArfGAP2 promotes STING proton channel activity, cytokine transit, and autoinflammation. *Cell*, 188(6), 1605.

Merchant S, et al. (2025) Different effects of fatty acid oxidation on hematopoietic stem cells based on age and diet. *Cell stem cell*, 32(2), 263.

Stomper J, et al. (2025) Sex differences in DNMT3A-mutant clonal hematopoiesis and the effects of estrogen. *Cell reports*, 44(4), 115494.

Roy P, et al. (2025) A Phosphoinositide Interacting Protein Coordinates Stress Precursor Activities. *bioRxiv : the preprint server for biology*.

Saleiro D, et al. (2025) Loss of Function Mouse Models Reveal a Novel Regulatory Function for ULK1 in Myeloproliferative Neoplasms. *Molecular and cellular biology*, 45(9), 395.

Mosialou I, et al. (2025) A niche driven mechanism determines response and a mutation-independent therapeutic approach for myeloid malignancies. *Cancer cell*, 43(6), 1007.

Vasudev A, et al. (2025) Coordinated changes in stromal and hematopoietic cells that define the perinatal to juvenile transition in the mouse thymus. *Cell reports*, 44(12), 116677.

Rodella A, et al. (2025) Oncostatin M is dispensable for the regulation of hematopoietic stem/progenitor cell traffic by neutrophils. *iScience*, 28(6), 112646.

Sakamoto T, et al. (2025) Mutant IDH1 cooperates with NPM1c or FLT3ITD to drive distinct myeloid diseases and molecular outcomes. *Proceedings of the National Academy of Sciences of the United States of America*, 122(20), e2415779122.