

# Resource Summary Report

Generated by T1D on Sep 6, 2026

## B6.Cg-Commd10<sup>Tg(Vav1-icre)</sup>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<sup>Tg(Vav1-icre)</sup>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<sup>Tg(Vav1-icre)</sup>A2Kio/J

**Record Creation Time:** 20250513T053710+0000

**Record Last Update:** 20260905T044454+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<sup>Tg(Vav1-icre)</sup>A2Kio/J.

---

## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

---

## Usage and Citation Metrics

We found 221 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Böttcher N, et al. (2026) Establishment of a 3D Multicellular HCC Tumor Spheroid Model to Unravel Nrf2's Influence on the Tumor Immune Microenvironment. Bioengineering (Basel, Switzerland), 13(3).

Ren K, et al. (2026) Stromal Gasdermin D-mediated Pyroptosis Drives Maladaptive CD4+ T-cell Remodeling in Tet2-Deficient Hematopoiesis. bioRxiv : the preprint server for biology.

Cheung DMS, et al. (2026) Lipopolysaccharide stimulates dynamic changes in B cell metabolism to promote proliferation. eLife, 14.

Selvaratnam JS, et al. (2026) HEB collaborates with TCR signaling to upregulate Id3 and enable ??T17 cell maturation in the fetal thymus. eLife, 14.

Zhang S, et al. (2026) Physiological MplW514L expression in hematopoietic stem cell causes an essential thrombocythemia and progressive myelofibrosis. The Journal of clinical investigation, 136(11).

Chini J, et al. (2026) CD9 regulates macrophage-mediated remodeling of adipose tissue in obesity. JCI insight, 11(6).

Bilardi RA, et al. (2026) Mbd4 and MutS? protect cells from spontaneous deamination of 5-methylcytosine. Nucleic acids research, 54(2).

Liu M, et al. (2026) Fufang Huangbo Formula mitigates myeloproliferative neoplasms by activating p53/p21 signaling axis and inhibiting STAT3 and NF-?B signaling pathways. Pharmaceutical science advances, 4, 100121.

Weiland P, et al. (2026) Glucose transport dependency defines a therapeutic vulnerability in JAK2V617F-driven myeloproliferative neoplasms. Cell communication and signaling : CCS, 24(1).

Schaer DJ, et al. (2026) An ontogeny-cytokine code determines macrophage response polarity and tumor outcomes. Communications biology, 9(1).

Wang C, et al. (2026) Longitudinal localization of leukaemic stem cells between the metaphysis and central marrow governs their behaviour. *Nature cell biology*, 28(5), 890.

Steinbuck MP, et al. (2026) Lymph node-targeted DNA engages TBK1/IFN-I-driven innate immunity to induce potent T cell responses and durable memory in mice and NHPs. *Science advances*, 12(22), eaec1416.

Liu J, et al. (2026) ASF1B promotes erythropoiesis by regulating the establishment and enrichment of H3.3 nucleosomes. *Nucleic acids research*, 54(9).

Roy P, et al. (2026) A stress-induced PI3P complex controls autophagy in erythroid precursors. *iScience*, 29(4), 115182.

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

Paiva RA, et al. (2026) MAIT cells egress the thymus at several maturation stages with selective capacity to seed different tissues. *Immunity*, 59(6), 1512.

Kawarizadeh K, et al. (2026) VPS33B regulates MHC class II antigen presentation in dendritic cells to drive CD4 T cell immunity. *iScience*, 29(6), 116052.

Zhang L, et al. (2026) Bcl11a orchestrates multilineage integrity in aging hematopoiesis by regulating multipotent progenitor fate decisions. *Cell reports*, 45(7), 117716.

López-Hernández L, et al. (2026) BCLAF1 links RNA splicing to ATF4-dependent metabolic adaptation in acute myeloid leukemia. *bioRxiv* : the preprint server for biology.

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.