

# Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

## CBA/CaHN-Btk<sup>xid</sup>/J

RRID:IMSR\_JAX:001011

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:001011

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### Organism Information

**URL:** <https://www.jax.org/strain/001011>

**Proper Citation:** RRID:IMSR\_JAX:001011

**Description:** Mus musculus with name CBA/CaHN-Btk<sup>xid</sup>/J from IMSR.

**Species:** Mus musculus

**Synonyms:** CBA/NJ

**Notes:** gene symbol note: Bruton agammaglobulinemia tyrosine kinase; mutant strain|inbred strain: Btk

**Affected Gene:** Bruton agammaglobulinemia tyrosine kinase

**Genomic Alteration:** X linked immune deficiency

**Catalog Number:** JAX:001011

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** CBA/CaHN-Btk<sup>xid</sup>/J

**Record Creation Time:** 20250513T053623+0000

**Record Last Update:** 20260815T050532+0000

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### Ratings and Alerts

No rating or validation information has been found for CBA/CaHN-Btk<sup>xid</sup>/J.

No alerts have been found for CBA/CaHN-Btk<sup>xid</sup>/J.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Purvis GSD, et al. (2022) Bruton's TK regulates myeloid cell recruitment during acute inflammation. *British journal of pharmacology*, 179(11), 2754.

Dangelmaier C, et al. (2022) Clustering extent-dependent differential signaling by CLEC-2 receptors in platelets. *Research and practice in thrombosis and haemostasis*, 6(3), e12710.

Huang J, et al. (2021) Broadly Reactive Human Monoclonal Antibodies Targeting the Pneumococcal Histidine Triad Protein Protect against Fatal Pneumococcal Infection. *Infection and immunity*, 89(5).

O'Riordan CE, et al. (2020) X-Linked Immunodeficient Mice With No Functional Bruton's Tyrosine Kinase Are Protected From Sepsis-Induced Multiple Organ Failure. *Frontiers in immunology*, 11, 581758.

Genschmer KR, et al. (2019) The Modified Surface Killing Assay Distinguishes between Protective and Nonprotective Antibodies to PspA. *mSphere*, 4(6).

Wagner-Mu??iz DA, et al. (2018) Room Temperature Stable PspA-Based Nanovaccine Induces Protective Immunity. *Frontiers in immunology*, 9, 325.

Musie E, et al. (2014) Toll-like receptor 4 stimulation before or after *Streptococcus pneumoniae* induced sepsis improves survival and is dependent on T-cells. *PloS one*, 9(1), e86015.

Gupta R, et al. (2013) Role of an iron-dependent transcriptional regulator in the pathogenesis and host response to infection with *Streptococcus pneumoniae*. *PloS one*, 8(2), e55157.

Muchnik L, et al. (2013) NADH oxidase functions as an adhesin in *Streptococcus pneumoniae* and elicits a protective immune response in mice. *PloS one*, 8(4), e61128.

Roy MF, et al. (2007) Pyruvate kinase deficiency confers susceptibility to *Salmonella typhimurium* infection in mice. *The Journal of experimental medicine*, 204(12), 2949.

Eventov-Friedman S, et al. (2006) Embryonic pig pancreatic tissue transplantation for the treatment of diabetes. *PLoS medicine*, 3(7), e215.

Lysenko ES, et al. (2005) The role of innate immune responses in the outcome of interspecies competition for colonization of mucosal surfaces. *PLoS pathogens*, 1(1), e1.

Johnson CN, et al. (2005) Relative fitness of fluoroquinolone-resistant *Streptococcus pneumoniae*. *Emerging infectious diseases*, 11(6), 814.

Tsuji RF, et al. (2002) B cell-dependent T cell responses: IgM antibodies are required to elicit contact sensitivity. *The Journal of experimental medicine*, 196(10), 1277.

Paciorkowski N, et al. (2000) B1 B lymphocytes play a critical role in host protection against lymphatic filarial parasites. *The Journal of experimental medicine*, 191(4), 731.