

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

CBA/CaHN-Btk^{xid}/J

RRID:IMSR_JAX:001011

Type: Organism

Proper Citation

RRID:IMSR_JAX:001011

Organism Information

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

Proper Citation: RRID:IMSR_JAX:001011

Description: Mus musculus with name CBA/CaHN-Btk^{xid}/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^{xid}/J

Record Creation Time: 20250513T053623+0000

Record Last Update: 20260815T050532+0000

Ratings and Alerts

No rating or validation information has been found for CBA/CaHN-Btk^{xid}/J.

No alerts have been found for CBA/CaHN-Btk^{xid}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

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.

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.

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.

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.