Resource Summary Report

Generated by NIF on Aug 2, 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: 20260801T050329+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 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.

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.