

Resource Summary Report

Generated by [kravitz2](#) on Aug 23, 2026

B6.Cg-Tg(IghMyc)22Bri/J

RRID:IMSR_JAX:002728

Type: Organism

Proper Citation

RRID:IMSR_JAX:002728

Organism Information

URL: <https://www.jax.org/strain/002728>

Proper Citation: RRID:IMSR_JAX:002728

Description: Mus musculus with name B6.Cg-Tg(IghMyc)22Bri/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Tg(IghMyc)22Bri/J

Notes: gene symbol note: Myc proto-oncogene; bHLH transcription factor|transgene insertion 22; Ralph L Brinster; mutant strain|congenic strain: Myc|Tg(IghMyc)22Bri

Affected Gene: Myc proto-oncogene; bHLH transcription factor|transgene insertion 22; Ralph L Brinster

Genomic Alteration: transgene insertion 22; Ralph L Brinster

Catalog Number: JAX:002728

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(IghMyc)22Bri/J

Record Creation Time: 20250513T053634+0000

Record Last Update: 20260815T050544+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(IghMyc)22Bri/J.

No alerts have been found for B6.Cg-Tg(IghMyc)22Bri/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Hesterberg RS, et al. (2025) Lymphoma accelerates T cell and tissue aging. Cancer cell.

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. Redox biology, 84, 103649.

Yang X, et al. (2024) PHLDA2-mediated phosphatidic acid peroxidation triggers a distinct ferroptotic response during tumor suppression. Cell metabolism, 36(4), 762.

Zhong X, et al. (2024) Disruption of the ZFP574-THAP12 complex suppresses B cell malignancies in mice. Proceedings of the National Academy of Sciences of the United States of America, 121(31), e2409232121.

Bergaggio E, et al. (2023) ALK inhibitors increase ALK expression and sensitize neuroblastoma cells to ALK.CAR-T cells. Cancer cell, 41(12), 2100.

Cheng Y, et al. (2023) High NEK2 expression in myeloid progenitors suppresses T cell immunity in multiple myeloma. Cell reports. Medicine, 4(10), 101214.

Klimovich B, et al. (2022) Partial p53 reactivation is sufficient to induce cancer regression. Journal of experimental & clinical cancer research : CR, 41(1), 80.

Lin AP, et al. (2022) MYC, mitochondrial metabolism and O-GlcNAcylation converge to modulate the activity and subcellular localization of DNA and RNA demethylases. Leukemia, 36(4), 1150.

Lu H, et al. (2022) Butyrate-producing Eubacterium rectale suppresses lymphomagenesis by alleviating the TNF-induced TLR4/MyD88/NF- κ B axis. Cell host & microbe, 30(8), 1139.

Ruan GX, et al. (2022) The spliceosome component Usp39 controls B cell development by regulating immunoglobulin gene rearrangement. Cell reports, 38(6), 110338.

Hang X, et al. (2022) BCL-2 isoform δ promotes angiogenesis by TRiC-mediated upregulation of VEGF-A in lymphoma. Oncogene, 41(28), 3655.

Petrenko O, et al. (2021) IL-6 promotes MYC-induced B cell lymphomagenesis independent of STAT3. *PloS one*, 16(3), e0247394.

Menzel L, et al. (2021) Lymphocyte access to lymphoma is impaired by high endothelial venule regression. *Cell reports*, 37(4), 109878.

Qiu Z, et al. (2020) MYC Regulation of D2HGDH and L2HGDH Influences the Epigenome and Epitranscriptome. *Cell chemical biology*, 27(5), 538.

Timofeev O, et al. (2019) Residual apoptotic activity of a tumorigenic p53 mutant improves cancer therapy responses. *The EMBO journal*, 38(20), e102096.

Pillonel V, et al. (2016) Histone deacetylase 1 plays a predominant pro-oncogenic role in E μ -myc driven B cell lymphoma. *Scientific reports*, 6, 37772.

Ortega M, et al. (2015) A microRNA-mediated regulatory loop modulates NOTCH and MYC oncogenic signals in B- and T-cell malignancies. *Leukemia*, 29(4), 968.