

Resource Summary Report

Generated by [NIF](#) on Aug 8, 2026

CBy.129P2(B6)-Igh^{tm1Mnz/J}

RRID:IMSR_JAX:007775

Type: Organism

Proper Citation

RRID:IMSR_JAX:007775

Organism Information

URL: <https://www.jax.org/strain/007775>

Proper Citation: RRID:IMSR_JAX:007775

Description: Mus musculus with name CBy.129P2(B6)-Igh^{tm1Mnz/J} from IMSR.

Species: Mus musculus

Synonyms: B1-8 High Affinity (BALB/cByJ background)

Notes: gene symbol note: immunoglobulin heavy chain complex; mutant strain|congenic strain: Igh

Affected Gene: immunoglobulin heavy chain complex

Genomic Alteration: targeted mutation 1; Michel C Nussenzweig

Catalog Number: JAX:007775

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: CBy.129P2(B6)-Igh^{tm1Mnz/J}

Record Creation Time: 20250513T053704+0000

Record Last Update: 20260808T050908+0000

Ratings and Alerts

No rating or validation information has been found for CBy.129P2(B6)-Igh^{tm1Mnz/J}.

No alerts have been found for CBy.129P2(B6)-Igh^{tm1Mnz/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Park R, et al. (2025) CD138 and APRIL regulate plasma cell survival, competition, and retention in the bone marrow niche. Cell reports, 44(8), 116123.

Jing Z, et al. (2022) Germinal center expansion but not plasmablast differentiation is proportional to peptide-MHCII density via CD40-CD40L signaling strength. Cell reports, 39(5), 110763.

Benet Z, et al. (2021) Plasma cell dynamics in the bone marrow niche. Cell reports, 34(6), 108733.

Koike T, et al. (2019) The quantity of CD40 signaling determines the differentiation of B cells into functionally distinct memory cell subsets. eLife, 8.