

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

B6.129(Cg)-Cd44^{tm1Hbg}/J

RRID:IMSR_JAX:005085

Type: Organism

Proper Citation

RRID:IMSR_JAX:005085

Organism Information

URL: <https://www.jax.org/strain/005085>

Proper Citation: RRID:IMSR_JAX:005085

Description: Mus musculus with name B6.129(Cg)-Cd44^{tm1Hbg}/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Cd44/J

Notes: gene symbol note: CD44 antigen|beta-galactosidase; mutant strain|congenic strain: Cd44|lacZ

Affected Gene: CD44 antigen|beta-galactosidase

Genomic Alteration: targeted mutation 1; Frank Hilberg

Catalog Number: JAX:005085

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Cd44^{tm1Hbg}/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260808T050850+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Cd44^{tm1Hbg}/J.

No alerts have been found for B6.129(Cg)-Cd44^{tm1Hbg}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Papadas A, et al. (2022) Stromal remodeling regulates dendritic cell abundance and activity in the tumor microenvironment. *Cell reports*, 40(7), 111201.

Chen WJ, et al. (2019) Tachycardia-induced CD44/NOX4 signaling is involved in the development of atrial remodeling. *Journal of molecular and cellular cardiology*, 135, 67.

Hayashi MK, et al. (2019) Hyaluronan synthesis supports glutamate transporter activity. *Journal of neurochemistry*, 150(3), 249.

Wickramasekara RN, et al. (2018) Glutathione and Inter- α -trypsin inhibitor heavy chain 3 (Itih3) mRNA levels in nicotine-treated Cd44 knockout mice. *Toxicology reports*, 5, 759.

Dhar D, et al. (2018) Liver Cancer Initiation Requires p53 Inhibition by CD44-Enhanced Growth Factor Signaling. *Cancer cell*, 33(6), 1061.

Freeman SA, et al. (2018) Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. *Cell*, 172(1-2), 305.

Klank RL, et al. (2017) Biphasic Dependence of Glioma Survival and Cell Migration on CD44 Expression Level. *Cell reports*, 18(1), 23.

Barnes L, et al. (2017) Senescent Atrophic Epidermis Retains Lrig1+ Stem Cells and Loses Wnt Signaling, a Phenotype Shared with CD44KO Mice. *PloS one*, 12(1), e0169452.

Morisaki Y, et al. (2016) Selective Expression of Osteopontin in ALS-resistant Motor Neurons is a Critical Determinant of Late Phase Neurodegeneration Mediated by Matrix Metalloproteinase-9. *Scientific reports*, 6, 27354.

Bertaux-Skeirik N, et al. (2015) CD44 plays a functional role in *Helicobacter pylori*-induced epithelial cell proliferation. *PLoS pathogens*, 11(2), e1004663.