

Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

C57BL/6J-Ldlr^{Hlb301}/J

RRID:IMSR_JAX:005061

Type: Organism

Proper Citation

RRID:IMSR_JAX:005061

Organism Information

URL: <https://www.jax.org/strain/005061>

Proper Citation: RRID:IMSR_JAX:005061

Description: Mus musculus with name C57BL/6J-Ldlr^{Hlb301}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Hlb301/J. HLB301. HLB-301

Notes: gene symbol note: low density lipoprotein receptor; coisogenic strain|mutant strain: Ldlr

Affected Gene: low density lipoprotein receptor

Genomic Alteration: heart; lung and blood 301

Catalog Number: JAX:005061

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: C57BL/6J-Ldlr^{Hlb301}/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260801T050350+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Ldlr^{Hlb301}/J.

No alerts have been found for C57BL/6J-Ldlr^{Hlb301}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Zhang Y, et al. (2023) Genetic inhibition of CARD9 accelerates the development of atherosclerosis in mice through CD36 dependent-defective autophagy. *Nature communications*, 14(1), 4622.

Padalkar MV, et al. (2023) Paradoxical reduction of plasma lipids and atherosclerosis in mice with adenine-induced chronic kidney disease and hypercholesterolemia. *Frontiers in cardiovascular medicine*, 10, 1088015.

Cavalcante MF, et al. (2021) scFv-Anti-LDL(-)-Metal-Complex Multi-Wall Functionalized-Nanocapsules as a Promising Tool for the Prevention of Atherosclerosis Progression. *Frontiers in medicine*, 8, 652137.

Aldana-Hernández P, et al. (2021) Dietary phosphatidylcholine supplementation reduces atherosclerosis in Ldlr^{-/-} male mice². *The Journal of nutritional biochemistry*, 92, 108617.

Tillie RJHA, et al. (2021) A Switch from Cell-Associated to Soluble PDGF-B Protects against Atherosclerosis, despite Driving Extramedullary Hematopoiesis. *Cells*, 10(7).

Huaman MA, et al. (2020) Mycobacterium bovis Bacille-Calmette-Guérin Infection Aggravates Atherosclerosis. *Frontiers in immunology*, 11, 607957.

González-Sánchez C, et al. (2016) Capacitive Sensing for Non-Invasive Breathing and Heart Monitoring in Non-Restrained, Non-Sedated Laboratory Mice. *Sensors (Basel, Switzerland)*, 16(7).

Oberoi R, et al. (2015) Lipocalin (LCN) 2 Mediates Pro-Atherosclerotic Processes and Is Elevated in Patients with Coronary Artery Disease. *PloS one*, 10(9), e0137924.

Aljakna A, et al. (2012) Pla2g12b and Hpn are genes identified by mouse ENU mutagenesis that affect HDL cholesterol. *PloS one*, 7(8), e43139.