

Resource Summary Report

Generated by [NIF](#) on Sep 12, 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: 20260912T060432+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 [NIF](#) .

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.