

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129S1-Cd36^{tm1Mfe/J}

RRID:IMSR_JAX:019006

Type: Organism

Proper Citation

RRID:IMSR_JAX:019006

Organism Information

URL: <https://www.jax.org/strain/019006>

Proper Citation: RRID:IMSR_JAX:019006

Description: Mus musculus with name B6.129S1-Cd36^{tm1Mfe/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: CD36 molecule; mutant strain|congenic strain: Cd36

Affected Gene: CD36 molecule

Genomic Alteration: targeted mutation 1; Maria Febbraio

Catalog Number: JAX:019006

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S1-Cd36^{tm1Mfe/J}

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260725T044448+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1-Cd36^{tm1Mfe/J}.

No alerts have been found for B6.129S1-Cd36^{tm1Mfe/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Shchukina I, et al. (2025) Inflammaging in aged tissues drives remodeling of the CD8 + T cell compartment. bioRxiv : the preprint server for biology.

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF β -Smad2/3-ATF4-dependent manner. Cell reports, 43(5), 114149.

Kaiser S, et al. (2024) Neuroprotection via Carbon Monoxide Depends on the Circadian Regulation of CD36-Mediated Microglial Erythrophagocytosis in Hemorrhagic Stroke. International journal of molecular sciences, 25(3).

Srivastava N, et al. (2024) CXCL16-dependent scavenging of oxidized lipids by islet macrophages promotes differentiation of pathogenic CD8+ T cells in diabetic autoimmunity. Immunity, 57(7), 1629.

Chen DW, et al. (2023) Mechanism and intervention of murine transfusion-related acute lung injury caused by anti-CD36 antibodies. JCI insight, 8(6).

Benson MD, et al. (2023) Protein-metabolite association studies identify novel proteomic determinants of metabolite levels in human plasma. Cell metabolism, 35(9), 1646.

Meng Y, et al. (2023) Deletion of CD36 exhibits limited impact on normal hematopoiesis and the leukemia microenvironment. Cellular & molecular biology letters, 28(1), 45.

Le Master E, et al. (2022) Caveolin-1 is a primary determinant of endothelial stiffening associated with dyslipidemia, disturbed flow, and ageing. Scientific reports, 12(1), 17822.

Peru? A, et al. (2022) The CD36 and SR-A/CD204 scavenger receptors fine-tune Staphylococcus aureus-stimulated cytokine production in mouse macrophages. Cellular immunology, 372, 104483.

Grune J, et al. (2022) Neutrophils incite and macrophages avert electrical storm after myocardial infarction. Nature cardiovascular research, 1(7), 649.

Tholen S, et al. (2022) Flattening of circadian glucocorticoid oscillations drives acute hyperinsulinemia and adipocyte hypertrophy. Cell reports, 39(13), 111018.

Li Q, et al. (2021) Microglia-derived interleukin-10 accelerates post-intracerebral hemorrhage hematoma clearance by regulating CD36. Brain, behavior, and immunity, 94, 437.

Fischer AW, et al. (2021) Lysosomal lipoprotein processing in endothelial cells stimulates adipose tissue thermogenic adaptation. *Cell metabolism*, 33(3), 547.

Vanhoutte D, et al. (2021) Thbs1 induces lethal cardiac atrophy through PERK-ATF4 regulated autophagy. *Nature communications*, 12(1), 3928.

De Niz M, et al. (2021) Organotypic endothelial adhesion molecules are key for *Trypanosoma brucei* tropism and virulence. *Cell reports*, 36(12), 109741.

Xu S, et al. (2021) Uptake of oxidized lipids by the scavenger receptor CD36 promotes lipid peroxidation and dysfunction in CD8⁺ T cells in tumors. *Immunity*, 54(7), 1561.

Ma X, et al. (2021) CD36-mediated ferroptosis dampens intratumoral CD8⁺ T cell effector function and impairs their antitumor ability. *Cell metabolism*, 33(5), 1001.

Kiourtzidis M, et al. (2020) Vitamin D Status of Mice Deficient in Scavenger Receptor Class B Type 1, Cluster Determinant 36 and ATP-Binding Cassette Proteins G5/G8. *Nutrients*, 12(8).

Härdtnr C, et al. (2020) Inhibition of macrophage proliferation dominates plaque regression in response to cholesterol lowering. *Basic research in cardiology*, 115(6), 78.

Rolfes V, et al. (2020) Platelets Fuel the Inflammasome Activation of Innate Immune Cells. *Cell reports*, 31(6), 107615.