

Resource Summary Report

Generated by [NIF](#) on Sep 13, 2026

DBA/1

RRID:MGI:2159837

Type: Organism

Proper Citation

RRID:MGI:2159837

Organism Information

URL: <http://www.informatics.jax.org/strain/MGI:2159837>

Proper Citation: RRID:MGI:2159837

Description: laboratory mouse with name DBA/1 from MGI.

Species: laboratory mouse

Notes: Strain Type: inbred strain

Catalog Number: 2159837

Database: Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: DBA/1

Record Creation Time: 20230227T022517+0000

Record Last Update: 20260912T215914+0000

Ratings and Alerts

No rating or validation information has been found for DBA/1.

No alerts have been found for DBA/1.

Data and Source Information

Source: [Integrated Animals](#)

Usage and Citation Metrics

We found 639 mentions in open access literature.

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

Xi W, et al. (2026) Therapeutic effects of Melittin acupoint injection on rheumatoid arthritis through autophagy activation and PI3K/AKT/mTOR pathway inhibition. Quantitative imaging in medicine and surgery, 16(1), 18.

Zhu Y, et al. (2026) In-situ RhoA editing via heparinylated LNP-microsphere system for rheumatoid arthritis treatment. Journal of nanobiotechnology, 24(1), 166.

Wang R, et al. (2026) Harnessing the gut-immune-joint axis: Oral microalgae-based thermoresponsive microspheres enhance intra-articular therapy for rheumatoid arthritis. Bioactive materials, 61, 72.

Zhao L, et al. (2026) DC-CD4 bispecific tolerogenic nanovesicles induce antigen-specific regulatory T cells and ameliorate collagen-induced arthritis in mice. Nature communications, 17(1).

Ou Y, et al. (2026) Modulating nuclear stiffness and envelope barrier facilitates AAV nuclear entry and reduces immunogenicity. Nature communications, 17(1).

Chen H, et al. (2026) Apigenin Upregulates Regulatory B Cells, Suppresses Class Switch Recombination, and Restores Immune Homeostasis to Treat Autoimmune Arthritis and Sepsis. Drug design, development and therapy, 20, 603143.

Song J, et al. (2026) Magnetoelectric nanoparticles drive TAF9B+ TH2 cell expansion to alleviate inflammation. Science advances, 12(7), eadz3199.

Su Z, et al. (2026) Pim1 Serves as a Therapeutic Target for Inflammatory Arthritis via Mitochondrial Metabolism and Th17 Cell Differentiation. Research (Washington, D.C.), 9, 1137.

Liu X, et al. (2026) Baricitinib alleviates interstitial lung disease in CIA mice by inhibiting macrophage polarization and increase exosomal miR-126a-3p with anti-fibrotic activity in vitro. Frontiers in pharmacology, 17, 1747540.

Mo X, et al. (2026) Collagen hybridizing peptide imaging and delivery of therapeutic antibody in rheumatoid arthritis models. Nature communications, 17(1).

Ye L, et al. (2026) Bmal1 Attenuates Collagen-Induced Arthritis by Regulating Macrophage Polarization via Sirt1. Journal of inflammation research, 19, 595422.

Xin P, et al. (2026) Plasma Proteomics Identifies Thousand-and-One-Amino Acid Kinase 3 as a Potential Biomarker of Rheumatoid Arthritis Activity and a Novel Therapeutic Target. Arthritis & rheumatology (Hoboken, N.J.), 78(5), 1045.

- Hu J, et al. (2026) Identification of Immune-Related Lactylation Genes in Rheumatoid Arthritis With Atherosclerosis: A Comprehensive Analysis Using Bulk and Single-Cell RNA Sequencing Data. *Mediators of inflammation*, 2026(1), e9969894.
- Du D, et al. (2026) Emodin Attenuates Rheumatoid Arthritis by Modulating the NF- κ B/HIF-1 α /VEGF Signaling Pathway. *International journal of molecular sciences*, 27(8).
- Yan S, et al. (2026) TGF β R Hyperactivation Drives CD103 $^{+}$ /ITGB2 $^{+}$ TRM Cell Accumulation in High-Fat Diet-Exacerbated CIA. *International journal of biological sciences*, 22(8), 4095.
- Sun Y, et al. (2026) Cyclovirobuxine D attenuates collagen-induced arthritis by inhibiting PI3K/AKT pathway and macrophage polarization. *Arthritis research & therapy*, 28(1).
- Wang X, et al. (2026) Biocatalytic Nanoregulators Restore Joint Redox-Immune Homeostasis in Rheumatoid Arthritis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(10), e02894.
- Jiang Y, et al. (2026) Luteolin attenuates RA-associated chronic pain by targeting the LDHA/H3K9la/NFATC2 axis to suppress Th17 cell differentiation and central infiltration. *Journal of pharmaceutical analysis*, 16(1), 101373.
- Zhang C, et al. (2026) M1 macrophage-targeted engineered ginseng stems and leaves-derived extracellular vesicles delivery system for alleviating rheumatoid arthritis. *Regenerative biomaterials*, 13, rbag078.
- Zhang C, et al. (2026) Multiomics Integration Reveals Yu-Xue-Bi Tablets Attenuate Rheumatoid Arthritis via Metabolic Reprogramming-Mediated Piezo1 Suppression. *ACS omega*, 11(7), 12266.