

Resource Summary Report

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B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J

RRID:IMSR_JAX:006051

Type: Organism

Proper Citation

RRID:IMSR_JAX:006051

Organism Information

URL: <https://www.jax.org/strain/006051>

Proper Citation: RRID:IMSR_JAX:006051

Description: Mus musculus with name B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(ACTB-DsRed*MST)1Nagy/J. B6.Cg-Tg(ACTB-DsRed.MST)1Nagy/J

Notes: gene symbol note: |actin; beta|transgene insertion 1; Andras Nagy; mutant strain|congenic strain: |ACTB|Tg(CAG-DsRed*MST)1Nagy

Affected Gene: |actin; beta|transgene insertion 1; Andras Nagy

Genomic Alteration: transgene insertion 1; Andras Nagy

Catalog Number: JAX:006051

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J

Record Creation Time: 20250513T053654+0000

Record Last Update: 20260829T044945+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J.

No alerts have been found for B6.Cg-Tg(CAG-DsRed*MST)1Nagy/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Wong IG, et al. (2026) Airway injury induces alveolar epithelial responses mediated by macrophages. Cell reports, 45(2), 116881.

Roncero-Carol J, et al. (2025) Epithelial cells provide immunocompetence to the early embryo for bacterial clearance. Cell host & microbe, 33(7), 1106.

Glaser KM, et al. (2024) Arp2/3 complex and the pentose phosphate pathway regulate late phases of neutrophil swarming. iScience, 27(1), 108656.

Zhang Y, et al. (2024) Long-term mesoscale imaging of 3D intercellular dynamics across a mammalian organ. Cell, 187(21), 6104.

Kameyama H, et al. (2023) Needle biopsy accelerates pro-metastatic changes and systemic dissemination in breast cancer: Implications for mortality by surgery delay. Cell reports. Medicine, 4(12), 101330.

Mohtashami M, et al. (2022) Thymus Reconstitution in Young and Aged Mice Is Facilitated by In Vitro-Generated Progenitor T Cells. Frontiers in immunology, 13, 926773.

McCubbrey AL, et al. (2022) Polyamine import and accumulation causes immunomodulation in macrophages engulfing apoptotic cells. Cell reports, 38(2), 110222.

Louie SM, et al. (2022) Progenitor potential of lung epithelial organoid cells in a transplantation model. Cell reports, 39(2), 110662.

Wu JW, et al. (2021) Intravital fluorescence microscopy with negative contrast. PloS one, 16(8), e0255204.

Goodman S, et al. (2021) Deficiency of the sedoheptulose kinase (Shpk) does not alter the ability of hematopoietic stem cells to rescue cystinosis in the mouse model. Molecular genetics and metabolism, 134(4), 309.

Rivera-Rodriguez A, et al. (2021) Tracking adoptive T cell immunotherapy using magnetic particle imaging. *Nanotheranostics*, 5(4), 431.

Tadayon S, et al. (2021) Lymphatic Endothelial Cell Activation and Dendritic Cell Transmigration Is Modified by Genetic Deletion of Clever-1. *Frontiers in immunology*, 12, 602122.

Schippers A, et al. (2021) MAdCAM-1/247 Integrin-Mediated Lymphocyte/Endothelium Interactions Exacerbate Acute Immune-Mediated Hepatitis in Mice. *Cellular and molecular gastroenterology and hepatology*, 11(4), 1227.

Devi S, et al. (2021) Adrenergic regulation of the vasculature impairs leukocyte interstitial migration and suppresses immune responses. *Immunity*, 54(6), 1219.

Gerber D, et al. (2021) Transcriptional profiling of mouse peripheral nerves to the single-cell level to build a sciatic nerve ATlas (SNAT). *eLife*, 10.

Hausmann A, et al. (2021) Intercrypt sentinel macrophages tune antibacterial NF- κ B responses in gut epithelial cells via TNF. *The Journal of experimental medicine*, 218(11).

De Simone G, et al. (2021) Identification of a Kupffer cell subset capable of reverting the T cell dysfunction induced by hepatocellular priming. *Immunity*, 54(9), 2089.

Wang J, et al. (2021) Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. *Cell reports*, 34(13), 108897.

Kato Y, et al. (2020) Multifaceted Effects of Antigen Valency on B Cell Response Composition and Differentiation In Vivo. *Immunity*, 53(3), 548.

Nouet J, et al. (2020) Connexin-43 reduction prevents muscle defects in a mouse model of manifesting Duchenne muscular dystrophy female carriers. *Scientific reports*, 10(1), 5683.