

Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

Mouse/Rat Complement Component C3d Antibody

RRID:AB_2066622

Type: Antibody

Proper Citation

R and D Systems Cat# AF2655, RRID:AB_2066622

Antibody Information

URL: http://antibodyregistry.org/AB_2066622

Proper Citation: R and D Systems Cat# AF2655, RRID:AB_2066622

Target Antigen: Complement Component C3d

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Immunohistochemistry

Antibody Name: Mouse/Rat Complement Component C3d Antibody

Description: This polyclonal targets Complement Component C3d

Target Organism: Rat, Mouse

Antibody ID: AB_2066622

Vendor: R and D Systems

Catalog Number: AF2655

Alternative Catalog Numbers: AF2655-SP

Record Creation Time: 20250819T220216+0000

Record Last Update: 20250820T005423+0000

Ratings and Alerts

No rating or validation information has been found for Mouse/Rat Complement Component C3d Antibody.

No alerts have been found for Mouse/Rat Complement Component C3d Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Suzuki S, et al. (2026) Tumor-Derived Complement C3 Overexpression in STK11-Mutant Lung Adenocarcinoma Drives Tumor Growth and Immune Checkpoint Inhibitor Resistance. *Cancer immunology research*, 14(7), 1172.

Choi CI, et al. (2026) Regional Molecular Diversity in Chronic Spinal Cord Injury. *Cellular and molecular neurobiology*, 46(1).

Zhang S, et al. (2026) BST2 expression at astrocyte borders promotes microglial recruitment via the C3/C3aR signaling. *Neuron*, 114(1), 67.

Newen AM, et al. (2026) Distributed clonal deletion prevents autoimmune disease progression. *Cell reports*, 45(8), 117723.

Cui F, et al. (2025) Maternal phthalates exposure promotes neural stem cell differentiation into phagocytic astrocytes and synapse engulfment via IRE1 α /XBP1s pathway. *Cell reports*, 44(1), 115126.

Chang YG, et al. (2025) Equilibrative nucleoside transporter 2 modulates inosine catabolism to influence astrocyte metabolism and reactivity. *Cell reports*, 44(10), 116420.

Huang Z, et al. (2025) Lipocalin-2 regulates astrocyte-oligodendrocyte interaction to drive post-stroke secondary demyelination. *Cell reports*, 44(7), 115899.

Hao Y, et al. (2025) Complement component C6 deficiency exacerbates colorectal tumorigenesis by abolishing membrane attack complex formation and potentiating M2-like tumor-associated macrophage responses. *International immunopharmacology*, 166, 115576.

Chen R, et al. (2025) Transplants foster B cell alloimmunity by relaying extracellular vesicles to follicular dendritic cells. *Cell reports*, 44(6), 115832.

Pizzo ME, et al. (2025) Transferrin receptor-targeted anti-amyloid antibody enhances brain delivery and mitigates ARIA. *Science (New York, N.Y.)*, 389(6760), eads3204.

Malovic E, et al. (2024) Epitranscriptomic reader YTHDF2 regulates SEK1(MAP2K4)-JNK-cJUN inflammatory signaling in astrocytes during neurotoxic stress. *iScience*, 27(9), 110619.

Yuan Z, et al. (2024) Effect of NLRP3 inflammasome induced astrocyte phenotype alteration in morphine tolerance. *Frontiers in pharmacology*, 15, 1434295.

Liu S, et al. (2023) Astrocytic purinergic signalling contributes to the development and maintenance of neuropathic pain via modulation of glutamate release. *Journal of neurochemistry*.

Oizumi H, et al. (2023) Lethal adulthood myelin breakdown by oligodendrocyte-specific Ddx54 knockout. *iScience*, 26(10), 107448.

Zhang L, et al. (2021) BAD-mediated neuronal apoptosis and neuroinflammation contribute to Alzheimer's disease pathology. *iScience*, 24(9), 102942.

de Mattos Barbosa MG, et al. (2021) TNFRSF13B genotypes control immune-mediated pathology by regulating the functions of innate B cells. *JCI insight*, 6(17).

Kim HN, et al. (2021) The thrombin receptor modulates astroglia-neuron trophic coupling and neural repair after spinal cord injury. *Glia*, 69(9), 2111.

Campbell SC, et al. (2020) Potassium and glutamate transport is impaired in scar-forming tumor-associated astrocytes. *Neurochemistry international*, 133, 104628.

Smith HL, et al. (2020) Astrocyte Unfolded Protein Response Induces a Specific Reactivity State that Causes Non-Cell-Autonomous Neuronal Degeneration. *Neuron*, 105(5), 855.

Chao CC, et al. (2019) Metabolic Control of Astrocyte Pathogenic Activity via cPLA2-MAVS. *Cell*, 179(7), 1483.