

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

Human/Mouse TREM2 Antibody

RRID:AB_2208679

Type: Antibody

Proper Citation

R and D Systems Cat# MAB17291, RRID:AB_2208679

Antibody Information

URL: http://antibodyregistry.org/AB_2208679

Proper Citation: R and D Systems Cat# MAB17291, RRID:AB_2208679

Target Antigen: TREM2

Host Organism: Rat

Clonality: monoclonal

Comments: Applications: Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry, CyTOF-ready, Knockout Validated

Antibody Name: Human/Mouse TREM2 Antibody

Description: This monoclonal targets TREM2

Target Organism: Human, Mouse

Clone ID: 237920

Antibody ID: AB_2208679

Vendor: R and D Systems

Catalog Number: MAB17291

Alternative Catalog Numbers: MAB17291-SP, MAB17291-500, MAB17291-100

Record Creation Time: 20250820T005603+0000

Record Last Update: 20250820T093531+0000

Ratings and Alerts

No rating or validation information has been found for Human/Mouse TREM2 Antibody.

No alerts have been found for Human/Mouse TREM2 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Huang AY, et al. (2026) Somatic cancer variants enriched in Alzheimer's disease microglia-like cells drive inflammatory and proliferative states. *Cell*, 189(12), 3719.

Wu D, et al. (2025) Targeting IRE1 β improves insulin sensitivity and thermogenesis and suppresses metabolically active adipose tissue macrophages in male obese mice. *eLife*, 13.

Matatall KA, et al. (2025) TET2-mutant myeloid cells mitigate Alzheimer's disease progression via CNS infiltration and enhanced phagocytosis in mice. *Cell stem cell*, 32(8), 1285.

Rosner D, et al. (2025) The Alzheimer's disease risk genes MS4A4A and MS4A6A cooperate to negatively regulate TREM2 and microglia states. *Neuron*.

Wu D, et al. (2024) Targeting IRE1 β improves insulin sensitivity and thermogenesis and suppresses metabolically active adipose tissue macrophages in obesity. *bioRxiv : the preprint server for biology*.

Zhong J, et al. (2024) Distinct roles of TREM2 in central nervous system cancers and peripheral cancers. *Cancer cell*, 42(6), 968.

Yin T, et al. (2024) Functional BRI2-TREM2 interactions in microglia: implications for Alzheimer's and related dementias. *EMBO reports*, 25(3), 1326.

Pierro EW, et al. (2024) Trem2 deficiency attenuates breast cancer tumor growth in lean, but not obese or weight loss, mice and is associated with alterations of clonal T cell populations. *bioRxiv : the preprint server for biology*.

Wang X, et al. (2023) Prolonged hypernutrition impairs TREM2-dependent efferocytosis to license chronic liver inflammation and NASH development. *Immunity*, 56(1), 58.

Shu X, et al. (2023) Negative regulation of TREM2-mediated C9orf72 poly-GA clearance by the NLRP3 inflammasome. *Cell reports*, 42(2), 112133.

Gao H, et al. (2023) Distinct myeloid population phenotypes dependent on TREM2 expression levels shape the pathology of traumatic versus demyelinating CNS disorders.

Cell reports, 42(6), 112629.

Yoo Y, et al. (2023) A cell therapy approach to restore microglial Trem2 function in a mouse model of Alzheimer's disease. *Cell stem cell*, 30(8), 1043.

Lo TC, et al. (2023) Priming of macrophage by glycosphingolipids from extracellular vesicles facilitates immune tolerance for embryo-maternal crosstalk. *Developmental cell*, 58(22), 2447.

Yin T, et al. (2023) BRI2-mediated regulation of TREM2 processing in microglia and its potential implications for Alzheimer's disease and related dementias. *bioRxiv : the preprint server for biology*.

Qin C, et al. (2023) Modulation of microglial metabolism facilitates regeneration in demyelination. *iScience*, 26(5), 106588.

Ruiz-Pérez G, et al. (2021) Potentiation of amyloid beta phagocytosis and amelioration of synaptic dysfunction upon FAAH deletion in a mouse model of Alzheimer's disease. *Journal of neuroinflammation*, 18(1), 223.

Liu W, et al. (2020) Trem2 promotes anti-inflammatory responses in microglia and is suppressed under pro-inflammatory conditions. *Human molecular genetics*, 29(19), 3224.

Nugent AA, et al. (2020) TREM2 Regulates Microglial Cholesterol Metabolism upon Chronic Phagocytic Challenge. *Neuron*, 105(5), 837.

Heckmann BL, et al. (2019) LC3-Associated Endocytosis Facilitates β -Amyloid Clearance and Mitigates Neurodegeneration in Murine Alzheimer's Disease. *Cell*, 178(3), 536.