

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 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 [ASWG](#) .

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.

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

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.

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*.

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.

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

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.

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.

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.