

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

Rat Anti-CD44 Monoclonal Antibody, Phycoerythrin Conjugated, Clone IM7

RRID:AB_394649

Type: Antibody

Proper Citation

BD Biosciences Cat# 553134, RRID:AB_394649

Antibody Information

URL: http://antibodyregistry.org/AB_394649

Proper Citation: BD Biosciences Cat# 553134, RRID:AB_394649

Target Antigen: CD44

Host Organism: rat

Clonality: monoclonal

Comments: Applications: Flow cytometry
Info: Used by Czech Centre for Phenogenomics

Antibody Name: Rat Anti-CD44 Monoclonal Antibody, Phycoerythrin Conjugated, Clone IM7

Description: This monoclonal targets CD44

Target Organism: mouse

Clone ID: IM7

Antibody ID: AB_394649

Vendor: BD Biosciences

Catalog Number: 553134

Record Creation Time: 20250820T063354+0000

Record Last Update: 20250821T002618+0000

Ratings and Alerts

- Used by Czech Centre for Phenogenomics - Czech Centre for Phenogenomics
<https://www.phenogenomics.cz/>

No alerts have been found for Rat Anti-CD44 Monoclonal Antibody, Phycoerythrin Conjugated, Clone IM7.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Migliozzi S, et al. (2025) Restraint of cancer cell plasticity by spatial homotypic clustering. Cancer cell.

Yardeni T, et al. (2025) Mitochondrial DNA lineages determine tumor progression through T cell reactive oxygen signaling. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2417252121.

Luan Y, et al. (2025) IgG2c subclass dominance drives fatal lupus-like nephritis via Fc γ R and complement activation. Cell reports, 45(1), 116775.

Ben Nasr M, et al. (2024) Glucagon-like peptide 1 receptor is a T cell-negative costimulatory molecule. Cell metabolism, 36(6), 1302.

Mhanna V, et al. (2024) Enhancing comparative T cell receptor repertoire analysis in small biological samples through pooling homologous cell samples from multiple mice. Cell reports methods, 4(4), 100753.

Zhang Z, et al. (2024) CYP7B1-mediated 25-hydroxycholesterol degradation maintains quiescence-activation balance and improves therapeutic potential of mesenchymal stem cells. Cell chemical biology.

McClory SE, et al. (2023) The pseudokinase Trib1 regulates the transition of exhausted T cells to a KLR $^{+}$ CD8 $^{+}$ effector state, and its deletion improves checkpoint blockade. Cell reports, 42(8), 112905.

Wilson NG, et al. (2023) The gut microbiota of people with asthma influences lung inflammation in gnotobiotic mice. iScience, 26(2), 105991.

Konturek-Ciesla A, et al. (2023) Temporal multimodal single-cell profiling of native hematopoiesis illuminates altered differentiation trajectories with age. Cell reports, 42(4), 112304.

D'Agostino MR, et al. (2022) Protocol for isolation and characterization of lung tissue resident memory T cells and airway trained innate immunity after intranasal vaccination in mice. *STAR protocols*, 3(3), 101652.

Xiang H, et al. (2022) Vps33B controls Treg cell suppressive function through inhibiting lysosomal nutrient sensing complex-mediated mTORC1 activation. *Cell reports*, 39(11), 110943.

Eriksson M, et al. (2022) T cell kinetics reveal expansion of distinct lung T cell subsets in acute versus in resolved influenza virus infection. *Frontiers in immunology*, 13, 949299.

Houde N, et al. (2022) Fine-tuning of MEK signaling is pivotal for limiting B and T cell activation. *Cell reports*, 38(2), 110223.

Afkhami S, et al. (2022) Respiratory mucosal delivery of next-generation COVID-19 vaccine provides robust protection against both ancestral and variant strains of SARS-CoV-2. *Cell*, 185(5), 896.

Eisele AS, et al. (2022) Erythropoietin directly remodels the clonal composition of murine hematopoietic multipotent progenitor cells. *eLife*, 11.

Wilson AS, et al. (2022) Neutrophil extracellular traps and their histones promote Th17 cell differentiation directly via TLR2. *Nature communications*, 13(1), 528.

Gerber AN, et al. (2021) The subunits of IL-12, originating from two distinct cells, can functionally synergize to protect against pathogen dissemination in vivo. *Cell reports*, 37(2), 109816.

Nozais M, et al. (2021) MYC deficiency impairs the development of effector/memory T lymphocytes. *iScience*, 24(7), 102761.

Siamishi I, et al. (2020) Lymphocyte-Specific Function of the DNA Polymerase Epsilon Subunit Pole3 Revealed by Neomorphic Alleles. *Cell reports*, 31(11), 107756.

Tummers B, et al. (2020) Caspase-8-Dependent Inflammatory Responses Are Controlled by Its Adaptor, FADD, and Necroptosis. *Immunity*, 52(6), 994.