# Resource Summary Report

Generated by RRID on Jul 28, 2026

## CD44

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:** CD44

**Description:** This monoclonal targets CD44

**Target Organism:** mouse

**Antibody ID:** AB_394649

**Vendor:** BD Biosciences

**Catalog Number:** 553134

**Record Creation Time:** 20250820T032559+0000

**Record Last Update:** 20250820T161348+0000

### Ratings and Alerts

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

No alerts have been found for CD44.

## 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?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.

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

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.

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.

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

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.

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.

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.

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.

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.