

Resource Summary Report

Generated by [RRID](#) on Jul 28, 2026

Rat Anti-CD44 Monoclonal Antibody, Unconjugated, Clone IM7

RRID:AB_393732

Type: Antibody

Proper Citation

BD Biosciences Cat# 550538, RRID:AB_393732

Antibody Information

URL: http://antibodyregistry.org/AB_393732

Proper Citation: BD Biosciences Cat# 550538, RRID:AB_393732

Target Antigen: CD44

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry, Immunohistochemistry-paraffin, Immunohistochemistry-zinc-fixed

Antibody Name: Rat Anti-CD44 Monoclonal Antibody, Unconjugated, Clone IM7

Description: This monoclonal targets CD44

Target Organism: feline, porcine, canine, horse, mouse, bovine, human

Clone ID: IM7

Antibody ID: AB_393732

Vendor: BD Biosciences

Catalog Number: 550538

Record Creation Time: 20250820T021021+0000

Record Last Update: 20250820T125248+0000

Ratings and Alerts

- Used for cytometry time of flight assay by the Human Islet Research Network community. Contact(s): [Clive Wasserfall](#), [Irina Kusmartseva](#), [Harry Nick](#), [Fabrizio Thorel](#), [Pedro Herrera](#), [Mark Atkinson](#), [Bernd Bodenmiller](#) - Human Islets Research Network <https://hirnetwork.org/>

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Qin T, et al. (2024) Ptch1 is essential for cochlear marginal cell differentiation and stria vascularis formation. Cell reports, 43(4), 114083.

Kim B, et al. (2024) CRACD loss induces neuroendocrine cell plasticity of lung adenocarcinoma. Cell reports, 43(6), 114286.

Danev N, et al. (2024) Comparative transcriptomic analysis of bovine mesenchymal stromal cells reveals tissue-source and species-specific differences. iScience, 27(2), 108886.

Chen Z, et al. (2023) Monocyte depletion enhances neutrophil influx and proneural to mesenchymal transition in glioblastoma. Nature communications, 14(1), 1839.

De Vargas Roditi L, et al. (2022) Single-cell proteomics defines the cellular heterogeneity of localized prostate cancer. Cell reports. Medicine, 3(4), 100604.

Badarinath K, et al. (2022) Snail maintains the stem/progenitor state of skin epithelial cells and carcinomas through the autocrine effect of extracellular matrix protein Mindin. Cell reports, 40(12), 111390.

Walter RJ, et al. (2022) Wnt signaling is boosted during intestinal regeneration by a CD44-positive feedback loop. Cell death & disease, 13(2), 168.

Barthet VJA, et al. (2021) Autophagy suppresses the formation of hepatocyte-derived cancer-initiating ductular progenitor cells in the liver. Science advances, 7(23).

Lynn MA, et al. (2021) The composition of the gut microbiota following early-life antibiotic exposure affects host health and longevity in later life. Cell reports, 36(8), 109564.

Marques C, et al. (2021) NF1 regulates mesenchymal glioblastoma plasticity and aggressiveness through the AP-1 transcription factor FOSL1. eLife, 10.

Zheng B, et al. (2021) A new murine esophageal organoid culture method and organoid-based model of esophageal squamous cell neoplasia. *iScience*, 24(12), 103440.

Chrysostomou E, et al. (2020) The Notch Ligand Jagged1 Is Required for the Formation, Maintenance, and Survival of Hensen's Cells in the Mouse Cochlea. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(49), 9401.

Cheung P, et al. (2020) Regenerative Reprogramming of the Intestinal Stem Cell State via Hippo Signaling Suppresses Metastatic Colorectal Cancer. *Cell stem cell*, 27(4), 590.

Tan GK, et al. (2020) Tgf?? signaling is critical for maintenance of the tendon cell fate. *eLife*, 9.

Pepe-Mooney BJ, et al. (2019) Single-Cell Analysis of the Liver Epithelium Reveals Dynamic Heterogeneity and an Essential Role for YAP in Homeostasis and Regeneration. *Cell stem cell*, 25(1), 23.

Ooki T, et al. (2019) High-Molecular-Weight Hyaluronan Is a Hippo Pathway Ligand Directing Cell Density-Dependent Growth Inhibition via PAR1b. *Developmental cell*, 49(4), 590.

Wagner J, et al. (2019) A Single-Cell Atlas of the Tumor and Immune Ecosystem of Human Breast Cancer. *Cell*, 177(5), 1330.

Damond N, et al. (2019) A Map of Human Type 1 Diabetes Progression by Imaging Mass Cytometry. *Cell metabolism*, 29(3), 755.

Jackstadt R, et al. (2019) Epithelial NOTCH Signaling Rewires the Tumor Microenvironment of Colorectal Cancer to Drive Poor-Prognosis Subtypes and Metastasis. *Cancer cell*, 36(3), 319.

Johansson J, et al. (2019) RAL GTPases Drive Intestinal Stem Cell Function and Regeneration through Internalization of WNT Signalosomes. *Cell stem cell*, 24(4), 592.