

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 13, 2025

CD45R/B220

RRID:AB_394457

Type: Antibody

Proper Citation

(BD Biosciences Cat# 552771, RRID:AB_394457)

Antibody Information

URL: http://antibodyregistry.org/AB_394457

Proper Citation: (BD Biosciences Cat# 552771, RRID:AB_394457)

Target Antigen: CD45R/B220

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD45R/B220

Description: This monoclonal targets CD45R/B220

Target Organism: mouse

Antibody ID: AB_394457

Vendor: BD Biosciences

Catalog Number: 552771

Record Creation Time: 20241016T233816+0000

Record Last Update: 20241017T010118+0000

Ratings and Alerts

No rating or validation information has been found for CD45R/B220.

No alerts have been found for CD45R/B220.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Yao CC, et al. (2023) Accumulation of branched-chain amino acids reprograms glucose metabolism in CD8+ T cells with enhanced effector function and anti-tumor response. Cell reports, 42(3), 112186.

Pioli KT, et al. (2023) Thymus antibody-secreting cells possess an interferon gene signature and are preferentially expanded in young female mice. iScience, 26(3), 106223.

Liu L, et al. (2023) Exercise reprograms the inflammatory landscape of multiple stem cell compartments during mammalian aging. Cell stem cell, 30(5), 689.

Pioli KT, et al. (2023) Retro-orbital CD45 antibody labeling to evaluate antibody-secreting cell trafficking in mice. STAR protocols, 4(2), 102308.

Schwarz N, et al. (2023) Colchicine exerts anti-atherosclerotic and -plaque-stabilizing effects targeting foam cell formation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 37(4), e22846.

Li J, et al. (2023) Cooperative super-enhancer inactivation caused by heterozygous loss of CREBBP and KMT2D skews B cell fate decisions and yields T cell-depleted lymphomas. bioRxiv : the preprint server for biology.

Hinke DM, et al. (2022) Antigen bivalency of antigen-presenting cell-targeted vaccines increases B cell responses. Cell reports, 39(9), 110901.

Miller CL, et al. (2022) Systemic delivery of a targeted synthetic immunostimulant transforms the immune landscape for effective tumor regression. Cell chemical biology, 29(3), 451.

Fernando S, et al. (2022) Eukaryotic elongation factor 2 kinase regulates foam cell formation via translation of CD36. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 36(2), e22154.

Wang Y, et al. (2021) Early developing B cells undergo negative selection by central nervous system-specific antigens in the meninges. *Immunity*, 54(12), 2784.

Wørzner K, et al. (2021) Adjuvanted SARS-CoV-2 spike protein elicits neutralizing antibodies and CD4 T cell responses after a single immunization in mice. *EBioMedicine*, 63, 103197.

Sundling C, et al. (2021) Positive selection of IgG⁺ over IgM⁺ B cells in the germinal center reaction. *Immunity*, 54(5), 988.

Newman R, et al. (2021) Chronic calcium signaling in IgE⁺ B cells limits plasma cell differentiation and survival. *Immunity*, 54(12), 2756.

Kudo Y, et al. (2020) PKC δ Loss Induces Autophagy, Oxidative Phosphorylation, and NRF2 to Promote Liver Cancer Progression. *Cancer cell*, 38(2), 247.

Dingler FA, et al. (2020) Two Aldehyde Clearance Systems Are Essential to Prevent Lethal Formaldehyde Accumulation in Mice and Humans. *Molecular cell*, 80(6), 996.

Nakanishi Y, et al. (2018) Simultaneous Loss of Both Atypical Protein Kinase C Genes in the Intestinal Epithelium Drives Serrated Intestinal Cancer by Impairing Immunosurveillance. *Immunity*, 49(6), 1132.

Hayatsu N, et al. (2017) Analyses of a Mutant Foxp3 Allele Reveal BATF as a Critical Transcription Factor in the Differentiation and Accumulation of Tissue Regulatory T Cells. *Immunity*, 47(2), 268.

Gruver-Yates AL, et al. (2014) Analysis of glucocorticoid receptors and their apoptotic response to dexamethasone in male murine B cells during development. *Endocrinology*, 155(2), 463.