

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

CD45R/B220

RRID:AB_393581

Type: Antibody

Proper Citation

BD Biosciences Cat# 550286, RRID:AB_393581

Antibody Information

URL: http://antibodyregistry.org/AB_393581

Proper Citation: BD Biosciences Cat# 550286, RRID:AB_393581

Target Antigen: CD45R/B220

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry, Immunohistochemistry-formalin (antigen retrieval required), Immunohistochemistry-frozen, Immunohistochemistry-zinc-fixed

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Antibody Name: CD45R/B220

Description: This monoclonal targets CD45R/B220

Target Organism: mouse

Antibody ID: AB_393581

Vendor: BD Biosciences

Catalog Number: 550286

Record Creation Time: 20250820T024822+0000

Record Last Update: 20250820T143401+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for CD45R/B220.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Diamond EL, et al. (2026) RAF-independent MEK mutations drive refractory histiocytic neoplasms but respond to ERK inhibition. Cancer cell, 44(1), 203.

Nguyen DT, et al. (2025) Protein kinase C γ dictates tumor trajectory, cell plasticity, and immune surveillance in lung adenocarcinoma. Cell reports, 44(12), 116606.

Stahl D, et al. (2025) CSF1R+ myeloid-monocytic cells drive CAR-T cell resistance in aggressive B cell lymphoma. Cancer cell, 43(8), 1476.

Liang X, et al. (2025) Limited activation interdependence and differing patterns of the in vivo effects of IKK1 and IKK2 downstream of NIK. Cell reports, 44(10), 116404.

Barisic D, et al. (2024) ARID1A orchestrates SWI/SNF-mediated sequential binding of transcription factors with ARID1A loss driving pre-memory B cell fate and lymphomagenesis. Cancer cell.

Gaballa A, et al. (2024) PAF1c links S-phase progression to immune evasion and MYC function in pancreatic carcinoma. Nature communications, 15(1), 1446.

Bolini L, et al. (2024) Long-term recruitment of peripheral immune cells to brain scars after a neonatal insult. Glia, 72(3), 546.

Diehl C, et al. (2024) Hyperreactive B cells instruct their elimination by T cells to curb autoinflammation and lymphomagenesis. Immunity.

Swisa A, et al. (2024) The evolutionarily ancient FOXA transcription factors shape the murine gut microbiome via control of epithelial glycosylation. Developmental cell, 59(16), 2069.

Venturutti L, et al. (2023) An Aged/Autoimmune B-cell Program Defines the Early Transformation of Extranodal Lymphomas. *Cancer discovery*, 13(1), 216.

Carraro C, et al. (2023) Chromatin accessibility profiling of targeted cell populations with laser capture microdissection coupled to ATAC-seq. *Cell reports methods*, 3(10), 100598.

López-Sanz L, et al. (2023) The presence of activating IgG Fc receptors in macrophages aggravates the development of experimental abdominal aortic aneurysm. *Clinica e investigacion en arteriosclerosis : publicacion oficial de la Sociedad Espanola de Arteriosclerosis*.

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*.

Durfee C, et al. (2023) Human APOBEC3B promotes tumor development in vivo including signature mutations and metastases. *Cell reports. Medicine*, 4(10), 101211.

Durfee C, et al. (2023) Human APOBEC3B promotes tumor heterogeneity in vivo including signature mutations and metastases. *bioRxiv : the preprint server for biology*.

Tshering LF, et al. (2023) Immune mechanisms shape the clonal landscape during early progression of prostate cancer. *Developmental cell*, 58(12), 1071.

Griger J, et al. (2023) An integrated cellular and molecular model of gastric neuroendocrine cancer evolution highlights therapeutic targets. *Cancer cell*, 41(7), 1327.

Fischer A, et al. (2023) In vivo interrogation of regulatory genomes reveals extensive quasi-insufficiency in cancer evolution. *Cell genomics*, 3(3), 100276.

Asrir A, et al. (2022) Tumor-associated high endothelial venules mediate lymphocyte entry into tumors and predict response to PD-1 plus CTLA-4 combination immunotherapy. *Cancer cell*, 40(3), 318.

Dutt TS, et al. (2022) Mucosal exposure to non-tuberculous mycobacteria elicits B cell-mediated immunity against pulmonary tuberculosis. *Cell reports*, 41(11), 111783.