

Resource Summary Report

Generated by ASWG on Aug 9, 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 47 mentions in open access literature.

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

Kobayashi H, et al. (2026) Netrin-1 Promotes Pancreatic Tumorigenesis and Innervation through NEO1. Cancer research, 86(8), 1883.

Enssle JC, et al. (2026) Pathogenesis of diffuse large B cell lymphoma proteogenotypes. Cancer cell, 44(7), 1437.

Kobayashi H, et al. (2026) A self-amplifying nerve-fibroblast circuit drives colorectal cancer progression. Cancer cell.

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

Ruiz CF, et al. (2026) Diet-induced phospholipid remodeling dictates ferroptosis sensitivity and tumorigenesis in the pancreas. Cancer discovery.

Chan S, et al. (2026) The metalloproteinase ADAM17 promotes acute lung inflammatory responses during pancreatitis. British journal of pharmacology, 183(15), 4126.

Hernández-Verdin I, et al. (2026) GABA promotes resistance to immunotherapy in patients with TLS-positive tumors. Cancer cell.

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.

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.

Flem-Karlsen K, et al. (2025) Cytotoxic CD8⁺ T Cells Downregulate GPX4 to Promote Ferroptosis in Melanoma That Drives Antitumor Immunity. Cancer research, 85(21), 4139.

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

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.

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

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

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*.

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