Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 28, 2025

CD45

RRID:AB_395872
Type: Antibody

Proper Citation

(BD Biosciences Cat# 555480, RRID:AB_395872)

Antibody Information

URL: http://antibodyregistry.org/AB_395872

Proper Citation: (BD Biosciences Cat# 555480, RRID:AB_395872)

Target Antigen: CD45

Host Organism: mouse

Clonality: monoclonal

Comments: Flow cytometry, Immunohistochemistry-formalin (antigen retrieval required), Immunohistochemistry-frozen
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:FALSE, NonFunctional in animal:FALSE

Antibody Name: CD45

Description: This monoclonal targets CD45

Target Organism: human

Antibody ID: AB_395872

Vendor: BD Biosciences

Catalog Number: 555480

Record Creation Time: 20241016T220414+0000

Record Last Update: 20241016T220833+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:FALSE, 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 CD45.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Otsuka S, et al. (2024) Calcineurin is an adaptor required for assembly of the TCR signaling complex. Cell reports, 43(8), 114568.

Eyraud E, et al. (2023) Short-range interactions between fibrocytes and CD8+ T cells in COPD bronchial inflammatory response. eLife, 12.

Barr VA, et al. (2023) Heterogeneity of Signaling Complex Nanostructure in T Cells Activated Via the T Cell Antigen Receptor. Microscopy and microanalysis : the official journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada, 29(4), 1503.

Liu X, et al. (2022) CD16+ fibroblasts foster a trastuzumab-refractory microenvironment that is reversed by VAV2 inhibition. Cancer cell, 40(11), 1341.

Jeong HO, et al. (2022) Cellular plasticity and immune microenvironment of malignant pleural effusion are associated with EGFR-TKI resistance in non-small-cell lung carcinoma. iScience, 25(11), 105358.

Haliyur R, et al. (2021) Integrated Analysis of the Pancreas and Islets Reveals Unexpected Findings in Human Male With Type 1 Diabetes. Journal of the Endocrine Society, 5(12), bvab162.

Rajagopalan A, et al. (2021) SeqStain is an efficient method for multiplexed, spatialomic

profiling of human and murine tissues. Cell reports methods, 1(2).

Guha J, et al. (2021) Disc Large Homolog 1 Is Critical for Early T Cell Receptor Micro Cluster Formation and Activation in Human T Cells. Vaccines, 9(12).

Crosse EI, et al. (2020) Multi-layered Spatial Transcriptomics Identify Secretory Factors Promoting Human Hematopoietic Stem Cell Development. Cell stem cell, 27(5), 822.

Gide TN, et al. (2019) Distinct Immune Cell Populations Define Response to Anti-PD-1 Monotherapy and Anti-PD-1/Anti-CTLA-4 Combined Therapy. Cancer cell, 35(2), 238.

Zeng Y, et al. (2019) Single-Cell RNA Sequencing Resolves Spatiotemporal Development of Pre-thymic Lymphoid Progenitors and Thymus Organogenesis in Human Embryos. Immunity, 51(5), 930.

Gerbaud P, et al. (2019) Study of Human T21 Placenta Suggests a Potential Role of Mesenchymal Spondin-2 in Placental Vascular Development. Endocrinology, 160(3), 684.

Lin E, et al. (2017) High-Throughput Microfluidic Labyrinth for the Label-free Isolation of Circulating Tumor Cells. Cell systems, 5(3), 295.