

Resource Summary Report

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

CD45

RRID:AB_395874

Type: Antibody

Proper Citation

BD Biosciences Cat# 555482, RRID:AB_395874

Antibody Information

URL: http://antibodyregistry.org/AB_395874

Proper Citation: BD Biosciences Cat# 555482, RRID:AB_395874

Target Antigen: CD45

Host Organism: mouse

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD45

Description: This monoclonal targets CD45

Target Organism: human

Antibody ID: AB_395874

Vendor: BD Biosciences

Catalog Number: 555482

Record Creation Time: 20250820T022923+0000

Record Last Update: 20250820T134333+0000

Ratings and Alerts

No rating or validation information has been found for CD45.

No alerts have been found for CD45.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Hou Y, et al. (2025) Optimizing stem cell infusion timing in the prevention of acute graft-versus-host disease. *Cell*, 188(11), 3030.

Gao J, et al. (2025) Infiltrating plasma cells maintain glioblastoma stem cells through IgG-Tumor binding. *Cancer cell*, 43(1), 122.

Luo B, et al. (2025) Resveratrol amplifies the anti-tumor effect of γ -PD-1 by altering the intestinal microbiome and PGD2 content. *Gut microbes*, 17(1), 2447821.

Shi X, et al. (2025) Derivation of clinical-grade HLA-homozygous induced pluripotent stem cell line UNIONi001-A from umbilical cord blood of a Han Chinese male neonate. *Stem cell research*, 88, 103818.

Wang L, et al. (2025) CD70-targeted iPSC-derived CAR-NK cells display potent function against tumors and alloreactive T cells. *Cell reports. Medicine*, 6(1), 101889.

Lei J, et al. (2025) Senescence-resistant human mesenchymal progenitor cells counter aging in primates. *Cell*, 188(18), 5039.

He X, et al. (2025) Regulatable C-X-C chemokine receptor type 4 in iPSC-derived NK cells improves bone marrow chemotaxis and targeting resident tumor. *Trends in biotechnology*, 43(7), 1668.

O'Hern C, et al. (2025) Human heart-macrophage assembloids mimic immune-cardiac interactions and enable arrhythmia disease modeling. *Cell stem cell*, 32(11), 1671.

Li C, et al. (2024) Spatial and Single-Cell Transcriptomics Reveal a Cancer-Associated Fibroblast Subset in HNSCC That Restricts Infiltration and Antitumor Activity of CD8⁺ T Cells. *Cancer research*, 84(2), 258.

Tan B, et al. (2024) Endothelial progenitor cells control remodeling of uterine spiral arteries for the establishment of utero-placental circulation. *Developmental cell*, 59(14), 1842.

Caulier B, et al. (2024) CD37 is a safe chimeric antigen receptor target to treat acute myeloid leukemia. *Cell reports. Medicine*, 5(6), 101572.

Zarou MM, et al. (2024) Inhibition of mitochondrial folate metabolism drives differentiation through mTORC1 mediated purine sensing. *Nature communications*, 15(1), 1931.

Bi S, et al. (2024) The sirtuin-associated human senescence program converges on the activation of placenta-specific gene PAPPA. *Developmental cell*.

Yu H, et al. (2024) A human fetal cerebellar map of the late second trimester reveals developmental molecular characteristics and abnormality in trisomy 21. *Cell reports*, 43(8), 114586.

Sun S, et al. (2024) Human umbilical cord-derived mesenchymal stem cells alleviate valproate-induced immune stress and social deficiency in rats. *Frontiers in psychiatry*, 15, 1431689.

Rattigan KM, et al. (2023) Arginine dependency is a therapeutically exploitable vulnerability in chronic myeloid leukaemic stem cells. *EMBO reports*, 24(10), e56279.

Rattigan KM, et al. (2023) Pyruvate anaplerosis is a targetable vulnerability in persistent leukaemic stem cells. *Nature communications*, 14(1), 4634.

Yao S, et al. (2023) Targeting endometrial inflammation in intrauterine adhesion ameliorates endometrial fibrosis by priming MSCs to secrete C1INH. *iScience*, 26(7), 107201.

Inoue O, et al. (2023) Single-cell transcriptomics identifies adipose tissue CD271+ progenitors for enhanced angiogenesis in limb ischemia. *Cell reports. Medicine*, 4(12), 101337.

Manesia JK, et al. (2023) AA2P-mediated DNA demethylation synergizes with stem cell agonists to promote expansion of hematopoietic stem cells. *Cell reports methods*, 3(12), 100663.