

Resource Summary Report

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CD3e

RRID:AB_394591

Type: Antibody

Proper Citation

BD Biosciences Cat# 553058, RRID:AB_394591

Antibody Information

URL: http://antibodyregistry.org/AB_394591

Proper Citation: BD Biosciences Cat# 553058, RRID:AB_394591

Target Antigen: CD3e

Host Organism: hamster

Clonality: monoclonal

Comments: Flow cytometry, 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:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Antibody Name: CD3e

Description: This monoclonal targets CD3e

Target Organism: mouse

Antibody ID: AB_394591

Vendor: BD Biosciences

Catalog Number: 553058

Record Creation Time: 20250819T213655+0000

Record Last Update: 20250819T233211+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:TRUE, 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 CD3e.

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](#) .

Philbrook P, et al. (2026) Medium-Chain Fatty Acid Receptor GPR84 Modulates Cytotoxic CD8 T-cell Antitumor Immunity through Metabolic Reprogramming. Cancer immunology research, 14(4), 640.

Menezes-Silva L, et al. (2026) Hormonal rewiring of immunity during dietary restriction ensures host defense and systemic glucose conservation. Immunity, 59(3), 700.

Monteiro AC, et al. (2026) OPG-Producing B Cells and RANKL-Expressing T Cells Define Immune Signatures Predictive of Bone Metastases in Breast Cancer. Cancer research communications, 6(1), 85.

Miakicheva S, et al. (2026) LEF1 and niche factors determine T cell stemness across chronic diseases. Cell, 189(14), 4325.

Ghosh A, et al. (2025) Potentiation of noncanonical NF- κ B signaling and marginal zone B cell expansion by CARD11-mediated regulation of p100 processing. Cell reports, 44(12), 116616.

Hodel AW, et al. (2025) Acidic pH can attenuate immune killing through inactivation of perforin. EMBO reports, 26(4), 929.

Linger ME, et al. (2025) Bivalent mRNA vaccine booster enhances immunity against XBB.1.5 more effectively than breakthrough infection in K18-hACE2 mice. iScience, 28(10), 113479.

Blanchard L, et al. (2025) Fc-optimized anti-CTLA-4 antibodies increase tumor-associated high endothelial venules and sensitize refractory tumors to PD-1 blockade. Cell reports. Medicine, 6(6), 102141.

Jiang Q, et al. (2025) HIF regulates multiple translated endogenous retroviruses: Implications for cancer immunotherapy. *Cell*, 188(7), 1807.

Kögl T, et al. (2024) Patients and mice with deficiency in the SNARE protein SYNTAXIN-11 have a secondary B cell defect. *The Journal of experimental medicine*, 221(7).

Chun D, et al. (2024) Flt3L enhances clonal diversification and selective expansion of intratumoral CD8⁺ T cells while differentiating into effector-like cells. *Cell reports*, 43(12), 115023.

Wenzek C, et al. (2024) Lack of canonical thyroid hormone receptor α signaling changes regulatory T cell phenotype in female mice. *iScience*, 27(8), 110547.

Ben Nasr M, et al. (2024) Glucagon-like peptide 1 receptor is a T cell-negative costimulatory molecule. *Cell metabolism*, 36(6), 1302.

Marcial-Juárez E, et al. (2023) Salmonella infection induces the reorganization of follicular dendritic cell networks concomitant with the failure to generate germinal centers. *iScience*, 26(4), 106310.

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.

Fukushima Y, et al. (2022) cis interaction of CD153 with TCR/CD3 is crucial for the pathogenic activation of senescence-associated T cells. *Cell reports*, 40(12), 111373.

Wiede F, et al. (2022) PTP1B Is an Intracellular Checkpoint that Limits T-cell and CAR T-cell Antitumor Immunity. *Cancer discovery*, 12(3), 752.

Wang W, et al. (2021) Primary culture of immature, naïve mouse CD4⁺ T cells. *STAR protocols*, 2(3), 100756.

Weingarten-Gabbay S, et al. (2021) Profiling SARS-CoV-2 HLA-I peptidome reveals T cell epitopes from out-of-frame ORFs. *Cell*, 184(15), 3962.

Sun Y, et al. (2021) Sarm1-mediated neurodegeneration within the enteric nervous system protects against local inflammation of the colon. *Protein & cell*, 12(8), 621.