

# Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

## CD3e

RRID:AB\_394591

Type: Antibody

### Proper Citation

BD Biosciences Cat# 553058, RRID:AB\_394591

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_394591](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 Langone 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.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 34 mentions in open access literature.

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

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- $\kappa$ 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<sup>+</sup> T cells while differentiating into effector-like cells. *Cell reports*, 43(12), 115023.

Wenzek C, et al. (2024) Lack of canonical thyroid hormone receptor  $\alpha$  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<sup>+</sup> 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.