

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

Rat Anti-CD8a Monoclonal Antibody, Phycoerythrin Conjugated, Clone 53-6.7

RRID:AB_394570

Type: Antibody

Proper Citation

BD Biosciences Cat# 553032, RRID:AB_394570

Antibody Information

URL: http://antibodyregistry.org/AB_394570

Proper Citation: BD Biosciences Cat# 553032, RRID:AB_394570

Target Antigen: CD8a

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: Rat Anti-CD8a Monoclonal Antibody, Phycoerythrin Conjugated, Clone 53-6.7

Description: This monoclonal targets CD8a

Target Organism: mouse

Clone ID: 53-6.7

Antibody ID: AB_394570

Vendor: BD Biosciences

Catalog Number: 553032

Record Creation Time: 20231110T044633+0000

Record Last Update: 20260901T034857+0000

Ratings and Alerts

No rating or validation information has been found for Rat Anti-CD8a Monoclonal Antibody, Phycoerythrin Conjugated, Clone 53-6.7.

No alerts have been found for Rat Anti-CD8a Monoclonal Antibody, Phycoerythrin Conjugated, Clone 53-6.7.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Bartram J, et al. (2026) Activation of a branched-chain amino acid rheostat restores replication-dependent hematopoietic stem cell fitness. Cell stem cell.

Cao Z, et al. (2025) Interferon- γ -stimulated antigen-presenting cancer-associated fibroblasts hinder neoadjuvant chemoimmunotherapy efficacy in lung cancer. Cell reports. Medicine, 6(3), 102017.

Zheng Z, et al. (2025) Gut Microbiota-Mediated Bile Acid Metabolism Regulates Colorectal Cancer Liver Metastasis by Altering Neutrophil Recruitment. Cancer research, 85(21), 4081.

Hernández-Barranco A, et al. (2024) NGFR regulates stromal cell activation in germinal centers. Cell reports, 43(2), 113705.

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

Montégut L, et al. (2024) Acyl-coenzyme A binding protein (ACBP) - a risk factor for cancer diagnosis and an inhibitor of immunosurveillance. Molecular cancer, 23(1), 187.

Yu CI, et al. (2024) Engraftment of adult hematopoietic stem and progenitor cells in a novel model of humanized mice. iScience, 27(3), 109238.

Yan Y, et al. (2023) Commensal bacteria promote azathioprine therapy failure in inflammatory bowel disease via decreasing 6-mercaptopurine bioavailability. Cell reports. Medicine, 4(8), 101153.

Fanti AK, et al. (2023) Flt3- and Tie2-Cre tracing identifies regeneration in sepsis from multipotent progenitors but not hematopoietic stem cells. Cell stem cell, 30(2), 207.

Mortales C, et al. (2023) NL-201 Upregulates MHC-I Expression and Intratumoral T-cell Receptor Diversity, and Demonstrates Robust Antitumor Activity as Monotherapy and in Combination with PD-1 Blockade. Cancer immunology research, 11(7), 1000.

Houde N, et al. (2022) Fine-tuning of MEK signaling is pivotal for limiting B and T cell activation. *Cell reports*, 38(2), 110223.

Xiang H, et al. (2022) Vps33B controls Treg cell suppressive function through inhibiting lysosomal nutrient sensing complex-mediated mTORC1 activation. *Cell reports*, 39(11), 110943.

Kawasaki T, et al. (2022) Alveolar macrophages instruct CD8⁺ T cell expansion by antigen cross-presentation in lung. *Cell reports*, 41(11), 111828.

Klaus A, et al. (2022) CLASP2 safeguards hematopoietic stem cell properties during mouse and fish development. *Cell reports*, 39(11), 110957.

Routhu NK, et al. (2021) A modified vaccinia Ankara vector-based vaccine protects macaques from SARS-CoV-2 infection, immune pathology, and dysfunction in the lungs. *Immunity*, 54(3), 542.

Hinge A, et al. (2020) Asymmetrically Segregated Mitochondria Provide Cellular Memory of Hematopoietic Stem Cell Replicative History and Drive HSC Attrition. *Cell stem cell*, 26(3), 420.

Viar K, et al. (2020) Sarm1 knockout protects against early but not late axonal degeneration in experimental allergic encephalomyelitis. *PloS one*, 15(6), e0235110.

Horkova V, et al. (2020) Dynamics of the Coreceptor-LCK Interactions during T Cell Development Shape the Self-Reactivity of Peripheral CD4 and CD8 T Cells. *Cell reports*, 30(5), 1504.

Ciecko AE, et al. (2019) Interleukin-27 Is Essential for Type 1 Diabetes Development and Sjögren Syndrome-like Inflammation. *Cell reports*, 29(10), 3073.

Hinks TSC, et al. (2019) Activation and In Vivo Evolution of the MAIT Cell Transcriptome in Mice and Humans Reveals Tissue Repair Functionality. *Cell reports*, 28(12), 3249.