

Resource Summary Report

Generated by ASWG on Aug 10, 2026

BV650 Mouse Anti-Human CD8

RRID:AB_2744462

Type: Antibody

Proper Citation

BD Biosciences Cat# 563821, RRID:AB_2744462

Antibody Information

URL: http://antibodyregistry.org/AB_2744462

Proper Citation: BD Biosciences Cat# 563821, RRID:AB_2744462

Target Antigen: CD8

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: Flow cytometry

Antibody Name: BV650 Mouse Anti-Human CD8

Description: This monoclonal targets CD8

Target Organism: Human, Cynomolgus, Baboon, Rhesus

Clone ID: RPA-T8

Antibody ID: AB_2744462

Vendor: BD Biosciences

Catalog Number: 563821

Alternative Catalog Numbers: 563822

Record Creation Time: 20250819T210508+0000

Record Last Update: 20250819T214806+0000

Ratings and Alerts

- Used for flow cytometry assay by the Human Islet Research Network community.
Contact(s): [Megan Sykes](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for BV650 Mouse Anti-Human CD8.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

La C, et al. (2026) In vivo modeling of human ?? T cell ontogeny reveals terminal deoxynucleotidyl transferase as a key regulator of type 3 V?2 T cell development. Cell reports, 45(2), 116977.

Chen S, et al. (2026) PD-1 blockade unleashes local hepatitis B virus-related B cell response inhibiting hepatocellular carcinoma. Cancer cell.

Gaspar M, et al. (2025) An affinity-modulated T cell engager targeting Claudin 18.2 shows potent anti-tumor activity with limited cytokine release. Journal for immunotherapy of cancer, 13(8).

van der Sluis RM, et al. (2025) Distinctive CD8+ T cell activation by antigen-presenting plasmacytoid dendritic cells compared to conventional dendritic cells. Cell reports, 44(3), 115413.

Neehus AL, et al. (2024) Human inherited CCR2 deficiency underlies progressive polycystic lung disease. Cell, 187(2), 390.

Kortleve D, et al. (2024) TCR-Engineered T Cells Directed against Ropporin-1 Constitute a Safe and Effective Treatment for Triple-Negative Breast Cancer. Cancer discovery, 14(12), 2450.

Pastor Y, et al. (2024) A vaccine targeting antigen-presenting cells through CD40 induces protective immunity against Nipah disease. Cell reports. Medicine, 5(3), 101467.

Reid KT, et al. (2024) Cell therapy with human IL-10-producing ILC2s limits xenogeneic graft-versus-host disease by inhibiting pathogenic T cell responses. Cell reports, 44(1), 115102.

Ryan FJ, et al. (2023) A systems immunology study comparing innate and adaptive immune responses in adults to COVID-19 mRNA and adenovirus vectored vaccines. Cell reports. Medicine, 4(3), 100971.

Mayer-Blackwell K, et al. (2023) mRNA vaccination boosts S-specific T cell memory and promotes expansion of CD45RAint TEMRA-like CD8+ T cells in COVID-19 recovered individuals. Cell reports. Medicine, 4(8), 101149.

Wang Y, et al. (2023) Intratumoral erythroblastic islands restrain anti-tumor immunity in hepatoblastoma. *Cell reports. Medicine*, 4(5), 101044.

Burkard T, et al. (2022) Differential expression of CD8 defines phenotypically distinct cytotoxic T cells in cancer and multiple sclerosis. *Clinical and translational medicine*, 12(12), e1068.

Westhaver LP, et al. (2022) Mitochondrial damage-associated molecular patterns trigger arginase-dependent lymphocyte immunoregulation. *Cell reports*, 39(8), 110847.

Cavarelli M, et al. (2022) Identification of CX3CR1⁺ mononuclear phagocyte subsets involved in HIV-1 and SIV colorectal transmission. *iScience*, 25(6), 104346.

Yang B, et al. (2022) Spatial heterogeneity of infiltrating T cells in high-grade serous ovarian cancer revealed by multi-omics analysis. *Cell reports. Medicine*, 3(12), 100856.

Seo IH, et al. (2021) IL-15 enhances CCR5-mediated migration of memory CD8⁺ T cells by upregulating CCR5 expression in the absence of TCR stimulation. *Cell reports*, 36(4), 109438.

Béziat V, et al. (2021) Humans with inherited T cell CD28 deficiency are susceptible to skin papillomaviruses but are otherwise healthy. *Cell*, 184(14), 3812.

Wang W, et al. (2019) Type I Interferon Therapy Limits CNS Autoimmunity by Inhibiting CXCR3-Mediated Trafficking of Pathogenic Effector T Cells. *Cell reports*, 28(2), 486.

Shah SV, et al. (2018) CMV Primes Functional Alternative Signaling in Adaptive $\gamma\delta$ NK Cells but Is Subverted by Lentivirus Infection in Rhesus Macaques. *Cell reports*, 25(10), 2766.