

# Resource Summary Report

Generated by [ASWG](#) on Aug 10, 2026

## Rat Anti-Mouse CD45 Antibody

RRID:AB\_2687455

Type: Antibody

---

### Proper Citation

BD Biosciences Cat# 563709, RRID:AB\_2687455

---

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2687455](http://antibodyregistry.org/AB_2687455)

**Proper Citation:** BD Biosciences Cat# 563709, RRID:AB\_2687455

**Target Antigen:** CD45

**Host Organism:** rat

**Clonality:** monoclonal

**Comments:** Flow cytometry

**Antibody Name:** Rat Anti-Mouse CD45 Antibody

**Description:** This monoclonal targets CD45

**Target Organism:** mouse

**Clone ID:** 30-F11

**Defining Citation:** [PMID:28431249](#)

**Antibody ID:** AB\_2687455

**Vendor:** BD Biosciences

**Catalog Number:** 563709

**Record Creation Time:** 20250819T230741+0000

**Record Last Update:** 20250820T042213+0000

---

### Ratings and Alerts

No rating or validation information has been found for Rat Anti-Mouse CD45 Antibody.

No alerts have been found for Rat Anti-Mouse CD45 Antibody.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Sucharov J, et al. (2026) Aged circulating CD8+ T cells and their secreted factors drive cognitive decline. *Immunity*, 59(6), 1651.

Ros U, et al. (2025) MLKL activity requires a splicing-regulated, druggable intramolecular interaction. *Molecular cell*, 85(8), 1589.

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.

Kirschenbaum D, et al. (2024) Time-resolved single-cell transcriptomics defines immune trajectories in glioblastoma. *Cell*, 187(1), 149.

Asrir A, et al. (2022) Tumor-associated high endothelial venules mediate lymphocyte entry into tumors and predict response to PD-1 plus CTLA-4 combination immunotherapy. *Cancer cell*, 40(3), 318.

Chaurio RA, et al. (2022) TGF- $\beta$ -mediated silencing of genomic organizer SATB1 promotes Tfh cell differentiation and formation of intra-tumoral tertiary lymphoid structures. *Immunity*, 55(1), 115.

Roy R, et al. (2022) Overriding impaired FPR chemotaxis signaling in diabetic neutrophil stimulates infection control in murine diabetic wound. *eLife*, 11.

Bellomo A, et al. (2020) Reticular Fibroblasts Expressing the Transcription Factor WT1 Define a Stromal Niche that Maintains and Replenishes Splenic Red Pulp Macrophages. *Immunity*, 53(1), 127.

Huggins MA, et al. (2019) Microbial Exposure Enhances Immunity to Pathogens Recognized by TLR2 but Increases Susceptibility to Cytokine Storm through TLR4 Sensitization. *Cell reports*, 28(7), 1729.

Hoyer FF, et al. (2019) Tissue-Specific Macrophage Responses to Remote Injury Impact the Outcome of Subsequent Local Immune Challenge. *Immunity*, 51(5), 899.

Fu J, et al. (2019) Human Intestinal Allografts Contain Functional Hematopoietic Stem and Progenitor Cells that Are Maintained by a Circulating Pool. *Cell stem cell*, 24(2), 227.

Camell CD, et al. (2019) Aging Induces an Nlrp3 Inflammasome-Dependent Expansion of Adipose B Cells That Impairs Metabolic Homeostasis. *Cell metabolism*, 30(6), 1024.

Hulsmans M, et al. (2017) Macrophages Facilitate Electrical Conduction in the Heart. *Cell*, 169(3), 510.