Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 12, 2025

PE-Cyanine7 Anti-Mouse CD45.1 (A20)

RRID:AB_2621850
Type: Antibody

Proper Citation

(Tonbo Biosciences Cat# 60-0453, RRID:AB_2621850)

Antibody Information

URL: http://antibodyregistry.org/AB_2621850

Proper Citation: (Tonbo Biosciences Cat# 60-0453, RRID:AB_2621850)

Target Antigen: CD45.1

Host Organism: mouse

Clonality: monoclonal

Comments: Original manufacturer of this product; Applications: FC Dilution: This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

Antibody Name: PE-Cyanine7 Anti-Mouse CD45.1 (A20)

Description: This monoclonal targets CD45.1

Target Organism: mouse

Clone ID: A20

Antibody ID: AB_2621850

Vendor: Tonbo Biosciences

Catalog Number: 60-0453

Alternative Catalog Numbers: OWL-A07811

Record Creation Time: 20231110T034843+0000

Record Last Update: 20240725T015438+0000

Ratings and Alerts

No rating or validation information has been found for PE-Cyanine7 Anti-Mouse CD45.1 (A20).

No alerts have been found for PE-Cyanine7 Anti-Mouse CD45.1 (A20).

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Garyn CM, et al. (2024) G2 arrest primes hematopoietic stem cells for megakaryopoiesis. Cell reports, 43(7), 114388.

Kara N, et al. (2023) Endothelial and Leptin Receptor+ cells promote the maintenance of stem cells and hematopoiesis in early postnatal murine bone marrow. Developmental cell, 58(5), 348.

Becker HJ, et al. (2023) Controlling genetic heterogeneity in gene-edited hematopoietic stem cells by single-cell expansion. Cell stem cell, 30(7), 987.

Peng C, et al. (2022) Engagement of the costimulatory molecule ICOS in tissues promotes establishment of CD8+ tissue-resident memory T cells. Immunity, 55(1), 98.

Qi L, et al. (2021) Aspartate availability limits hematopoietic stem cell function during hematopoietic regeneration. Cell stem cell, 28(11), 1982.

Borges da Silva H, et al. (2020) Sensing of ATP via the Purinergic Receptor P2RX7 Promotes CD8+ Trm Cell Generation by Enhancing Their Sensitivity to the Cytokine TGF-?. Immunity, 53(1), 158.

Wilkinson AC, et al. (2020) Long-term ex vivo expansion of mouse hematopoietic stem cells.

Nature protocols, 15(2), 628.

Luchsinger LL, et al. (2019) Harnessing Hematopoietic Stem Cell Low Intracellular Calcium Improves Their Maintenance In Vitro. Cell stem cell, 25(2), 225.

van der Veeken J, et al. (2019) Natural Genetic Variation Reveals Key Features of Epigenetic and Transcriptional Memory in Virus-Specific CD8 T Cells. Immunity, 50(5), 1202.

Comazzetto S, et al. (2019) Restricted Hematopoietic Progenitors and Erythropoiesis Require SCF from Leptin Receptor+ Niche Cells in the Bone Marrow. Cell stem cell, 24(3), 477.

de Almeida MJ, et al. (2017) Dye-Independent Methods Reveal Elevated Mitochondrial Mass in Hematopoietic Stem Cells. Cell stem cell, 21(6), 725.