

Resource Summary Report

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CD45 Monoclonal Antibody (HI30), APC-eFluor™ 780, eBioscience

RRID:AB_1944368

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# 47-0459-42, RRID:AB_1944368)

Antibody Information

URL: http://antibodyregistry.org/AB_1944368

Proper Citation: (Thermo Fisher Scientific Cat# 47-0459-42, RRID:AB_1944368)

Target Antigen: CD45

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: Flow

Consolidation on 1/2020: AB_1944368, AB_10496075

Antibody Name: CD45 Monoclonal Antibody (HI30), APC-eFluor™ 780, eBioscience

Description: This monoclonal targets CD45

Target Organism: human

Clone ID: Clone HI30

Antibody ID: AB_1944368

Vendor: Thermo Fisher Scientific

Catalog Number: 47-0459-42

Record Creation Time: 20251213T073558+0000

Record Last Update: 20260225T230739+0000

Ratings and Alerts

No rating or validation information has been found for CD45 Monoclonal Antibody (HI30), APC-eFluor™ 780, eBioscience.

No alerts have been found for CD45 Monoclonal Antibody (HI30), APC-eFluor™ 780, eBioscience.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Liu G, et al. (2025) ILC2 instructs neural stem and progenitor cells to potentiate neurorepair after stroke. *Neuron*, 113(11), 1741.

Della Volpe L, et al. (2025) Protocol for optimizing culture conditions for ex vivo activation during CRISPR-Cas9 gene editing in human hematopoietic stem and progenitor cells. *STAR protocols*, 6(2), 103722.

Ferrelli A, et al. (2025) Mesenchymal stromal cells from JAK2 V617F myeloproliferative neoplasms support healthy and malignant hematopoiesis in a humanized scaffold model in vivo. *HemaSphere*, 9(8), e70185.

Conti A, et al. (2025) Senescence and inflammation are unintended adverse consequences of CRISPR-Cas9/AAV6-mediated gene editing in hematopoietic stem cells. *Cell reports. Medicine*, 6(6), 102157.

Hamm F, et al. (2025) DNA methylomes undergo distinct waves of remodeling during thymic T cell development and do not acquire a proliferation-induced imprint. *Cell reports*, 44(8), 116092.

Valeri E, et al. (2024) Removal of innate immune barriers allows efficient transduction of quiescent human hematopoietic stem cells. *Molecular therapy : the journal of the American Society of Gene Therapy*, 32(1), 124.

Della Volpe L, et al. (2024) A p38 MAPK-ROS axis fuels proliferation stress and DNA damage during CRISPR-Cas9 gene editing in hematopoietic stem and progenitor cells. *Cell reports. Medicine*, 5(11), 101823.

Cao Y, et al. (2023) Dopamine inhibits group 2 innate lymphoid cell-driven allergic lung inflammation by dampening mitochondrial activity. *Immunity*, 56(2), 320.

Weckel A, et al. (2023) Long-term tolerance to skin commensals is established neonatally through a specialized dendritic cell subgroup. *Immunity*, 56(6), 1239.

- Berastegui N, et al. (2022) The transcription factor DDIT3 is a potential driver of dyserythropoiesis in myelodysplastic syndromes. *Nature communications*, 13(1), 7619.
- Combes AJ, et al. (2022) Discovering dominant tumor immune archetypes in a pan-cancer census. *Cell*, 185(1), 184.
- Hug N, et al. (2022) A dual role for the RNA helicase DHX34 in NMD and pre-mRNA splicing and its function in hematopoietic differentiation. *RNA (New York, N.Y.)*, 28(9), 1224.
- Tuong ZK, et al. (2021) Resolving the immune landscape of human prostate at a single-cell level in health and cancer. *Cell reports*, 37(12), 110132.
- Ombrato L, et al. (2021) Generation of neighbor-labeling cells to study intercellular interactions in vivo. *Nature protocols*, 16(2), 872.
- Arumugam K, et al. (2020) The Master Regulator Protein BAZ2B Can Reprogram Human Hematopoietic Lineage-Committed Progenitors into a Multipotent State. *Cell reports*, 33(10), 108474.
- Argüello RJ, et al. (2020) SCENITH: A Flow Cytometry-Based Method to Functionally Profile Energy Metabolism with Single-Cell Resolution. *Cell metabolism*, 32(6), 1063.
- Rothe K, et al. (2020) Integrin-Linked Kinase Mediates Therapeutic Resistance of Quiescent CML Stem Cells to Tyrosine Kinase Inhibitors. *Cell stem cell*, 27(1), 110.
- Schiroli G, et al. (2019) Precise Gene Editing Preserves Hematopoietic Stem Cell Function following Transient p53-Mediated DNA Damage Response. *Cell stem cell*, 24(4), 551.
- He J, et al. (2019) IRF-7 Is a Critical Regulator of Type 2 Innate Lymphoid Cells in Allergic Airway Inflammation. *Cell reports*, 29(9), 2718.
- Petrillo C, et al. (2018) Cyclosporine H Overcomes Innate Immune Restrictions to Improve Lentiviral Transduction and Gene Editing In Human Hematopoietic Stem Cells. *Cell stem cell*, 23(6), 820.