Resource Summary Report

Generated by ASWG on Aug 9, 2026

Leukocyte Common Antigen

RRID:AB_2174426
Type: Antibody

Proper Citation

BD Biosciences Cat# 550539, RRID:AB_2174426

Antibody Information

URL: http://antibodyregistry.org/AB_2174426

Proper Citation: BD Biosciences Cat# 550539, RRID:AB_2174426

Target Antigen: Mouse Thymus / Spleen The 30-F11 clone has been reported to react with all isoforms and both alloantigens of CD45, which is found on hematopoietic stem cells and all cells of hematopoietic origin, except erythrocytes.

Host Organism: rat

Clonality: monoclonal

Comments: Western blot
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Leukocyte Common Antigen

Description: This monoclonal targets Mouse Thymus / Spleen The 30-F11 clone has been reported to react with all isoforms and both alloantigens of CD45, which is found on hematopoietic stem cells and all cells of hematopoietic origin, except erythrocytes.

Clone ID: [30-F11]

Antibody ID: AB_2174426

Vendor: BD Biosciences

Catalog Number: 550539

Record Creation Time: 20250820T052619+0000

Record Last Update: 20250820T213437+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Leukocyte Common Antigen.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 59 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Cao T, et al. (2026) Astrocyte-microglia crosstalk via CSF1 and IFN-? promotes central nervous system repair. Cell reports, 45(6), 117418.

Dai L, et al. (2026) Activation status of astrocytes drives the MS/NMOSD therapeutic paradox: Insights from IFNAR1 signaling. Cell reports, 45(2), 116913.

Fan Q, et al. (2026) Endothelial IRE1 signaling maintains blood-brain barrier integrity and limits neuroinflammation after traumatic brain injury. Cell death & disease, 17(1), 210.

Katdare KA, et al. (2025) IQGAP2 regulates blood-brain barrier immune dynamics. iScience, 28(3), 111994.

Debbache J, et al. (2025) A novel murine model for sporadic, malignant peripheral nerve sheath tumors, driven by BrafV600E and Pten loss. Disease models & mechanisms, 18(11).

Männistö A, et al. (2025) Combined angiogenic and hypertrophic gene therapy enhances skeletal muscle growth. American journal of physiology. Cell physiology, 329(2), C540.

Suda M, et al. (2025) Endothelial senescent-cell-specific clearance alleviates metabolic dysfunction in obese mice. Cell metabolism, 37(12), 2455.

Xie Y, et al. (2024) Single-cell dissection of the human blood-brain barrier and glioma blood-tumor barrier. Neuron, 112(18), 3089.

Lin JB, et al. (2024) Targeting cell-type-specific, choroid-peripheral immune signaling to treat age-related macular degeneration. Cell reports. Medicine, 5(1), 101353.

Ben S, et al. (2024) Microglia-endothelial cross-talk regulates diabetes-induced retinal vascular dysfunction through remodeling inflammatory microenvironment. iScience, 27(3), 109145.

Vázquez-Liébanas E, et al. (2024) Mosaic deletion of claudin-5 reveals rapid non-cell-autonomous consequences of blood-brain barrier leakage. Cell reports, 43(3), 113911.

Hamada K, et al. (2024) Retinoblastoma-binding Protein 9 Suppresses Intestinal Inflammation and Inflammation-induced Tumorigenesis in Mice. Cellular and molecular gastroenterology and hepatology, 101435.

Kantarci H, et al. (2024) Schwann cell-secreted PGE2 promotes sensory neuron excitability during development. Cell, 187(17), 4690.

Xu H, et al. (2024) The choroid plexus synergizes with immune cells during neuroinflammation. Cell, 187(18), 4946.

Pan L, et al. (2023) Oligodendrocyte-lineage cell exocytosis and L-type prostaglandin D synthase promote oligodendrocyte development and myelination. eLife, 12.

Garcia-Diaz C, et al. (2023) Glioblastoma cell fate is differentially regulated by the microenvironments of the tumor bulk and infiltrative margin. Cell reports, 42(5), 112472.

Martinez-Ordoñez A, et al. (2023) Hyaluronan driven by epithelial aPKC deficiency remodels the microenvironment and creates a vulnerability in mesenchymal colorectal cancer. Cancer cell, 41(2), 252.

Chen CM, et al. (2023) Probucol treatment after traumatic brain injury activates BDNF/TrkB pathway, promotes neuroregeneration and ameliorates functional deficits in mice. British journal of pharmacology, 180(20), 2605.

Baaklini CS, et al. (2023) Microglia promote remyelination independent of their role in clearing myelin debris. Cell reports, 42(12), 113574.

Su Y, et al. (2023) Astrocyte endfoot formation controls the termination of oligodendrocyte precursor cell perivascular migration during development. Neuron, 111(2), 190.