

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

CD107a (LAMP-1)

RRID:AB_2134499

Type: Antibody

Proper Citation

BD Biosciences Cat# 553792, RRID:AB_2134499

Antibody Information

URL: http://antibodyregistry.org/AB_2134499

Proper Citation: BD Biosciences Cat# 553792, RRID:AB_2134499

Target Antigen: Lamp1

Host Organism: rat

Clonality: monoclonal

Comments: Intracellular staining (flow Cytotoxicityometry)

Antibody Name: CD107a (LAMP-1)

Description: This monoclonal targets Lamp1

Target Organism: mouse

Clone ID: 1D4B

Antibody ID: AB_2134499

Vendor: BD Biosciences

Catalog Number: 553792

Record Creation Time: 20250819T222357+0000

Record Last Update: 20250820T020434+0000

Ratings and Alerts

No rating or validation information has been found for CD107a (LAMP-1).

No alerts have been found for CD107a (LAMP-1).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Hoffmann C, et al. (2026) Membrane-protein-mediated phase separation orchestrates organelle contact sites. *Molecular cell*, 86(1), 135.

Zou W, et al. (2025) FOXQ1 Regulates Brain Endothelial Mitochondrial Function by Orchestrating Calcium Signaling and Cristae Morphology. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e03082.

Kusakari S, et al. (2025) Excessive expression of progranulin leads to neurotoxicity rather than neuroprotection. *Neurobiology of disease*, 209, 106895.

Lv Y, et al. (2025) IFITM2 Modulates Endocytosis Maintaining Neural Stem Cells in Developing Neocortex. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(17), e2501593.

Lauritzen I, et al. (2025) Presenilins as hub proteins controlling the endocytic and autophagic pathways and small extracellular vesicle secretion. *Journal of extracellular vesicles*, 14(1), e70019.

Aceitón P, et al. (2025) B cell mechanotransduction via ATAT1 coordinates actin and lysosomal dynamics at the immune synapse. *The Journal of cell biology*, 224(8).

Zhang F, et al. (2025) The ESCRT protein CHMP5 restricts bone formation by controlling endolysosome-mitochondrion-mediated cell senescence. *eLife*, 13.

Cebrian I, et al. (2025) Dendritic cell phagosomes recruit GRASP55 for export of antigen-loaded MHC molecules. *Cell reports*, 44(2), 115333.

Morrison TA, et al. (2025) Selective requirement of glycosphingolipid synthesis for natural killer and cytotoxic T cells. *Cell*, 188(13), 3497.

Krishnapriya , et al. (2025) Gut dysbiosis leads to cognitive decline through CNTF-mediated activation of microglia in mice. *BMC biology*, 23(1), 355.

Joshi S, et al. (2024) Tim4 enables large peritoneal macrophages to cross-present tumor antigens at early stages of tumorigenesis. *Cell reports*, 43(4), 114096.

Zou W, et al. (2024) Lysosomal dynamics regulate mammalian cortical neurogenesis. *Developmental cell*, 59(1), 64.

Wang Z, et al. (2023) Cellular proteins act as surfactants to control the interfacial behavior and function of biological condensates. *Developmental cell*, 58(11), 919.

Hu J, et al. (2023) Microglial Piezo1 senses A β fibril stiffness to restrict Alzheimer's disease. *Neuron*, 111(1), 15.

Pang W, et al. (2023) C9ORF72 suppresses JAK-STAT mediated inflammation. *iScience*, 26(5), 106579.

Demuth L, et al. (2023) Influenza vaccine is able to prevent neuroinflammation triggered by H7N7 IAV infection. *Frontiers in pharmacology*, 14, 1142639.

Roy ER, et al. (2022) Concerted type I interferon signaling in microglia and neural cells promotes memory impairment associated with amyloid β plaques. *Immunity*, 55(5), 879.

Huang Y, et al. (2022) Adaptable toolbox to characterize Alzheimer's disease pathology in mouse models. *STAR protocols*, 3(4), 101891.

Sekar R, et al. (2022) Vps37a regulates hepatic glucose production by controlling glucagon receptor localization to endosomes. *Cell metabolism*, 34(11), 1824.

Ji C, et al. (2021) γ -propeller proteins WDR45 and WDR45B regulate autophagosome maturation into autolysosomes in neural cells. *Current biology : CB*, 31(8), 1666.