

Resource Summary Report

Generated by NIF on Jul 31, 2026

CD56 (NCAM) (123C3) Mouse mAb

RRID:AB_2149540

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3576, RRID:AB_2149540

Antibody Information

URL: http://antibodyregistry.org/AB_2149540

Proper Citation: Cell Signaling Technology Cat# 3576, RRID:AB_2149540

Target Antigen: NCAM1

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-IC, F. Consolidation on 10/2018: AB_10693464, AB_2149540.

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

Antibody Name: CD56 (NCAM) (123C3) Mouse mAb

Description: This monoclonal targets NCAM1

Target Organism: human

Antibody ID: AB_2149540

Vendor: Cell Signaling Technology

Catalog Number: 3576

Record Creation Time: 20250819T220941+0000

Record Last Update: 20250820T011812+0000

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, 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 CD56 (NCAM) (123C3) Mouse mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Budinger D, et al. (2025) An iPSC-derived neuronal model reveals manganese's role in neuronal endocytosis, calcium flux and mitochondrial bioenergetics. iScience, 28(9), 113311.

Oka T, et al. (2025) Epigenomic regulation of stemness contributes to the low immunogenicity of the most mutated human cancer. Cell reports, 44(5), 115561.

Wang J, et al. (2025) The single-cell transcription reveals the aberrant differentiation trajectory of chondrocytes in the intervertebral disc for congenital scoliosis. iScience, 28(6), 112608.

Liu HM, et al. (2025) Neoadjuvant immunotherapy with or without chemotherapy in locally advanced oral squamous cell carcinoma: Randomized, two-arm, phase 2 trial. Cell reports. Medicine, 6(2), 101930.

Zhang J, et al. (2024) Pyroptotic T cell-derived active IL-16 has a driving function in ovarian endometriosis development. Cell reports. Medicine, 5(3), 101476.

Wang J, et al. (2024) LILRB1-HLA-G axis defines a checkpoint driving natural killer cell exhaustion in tuberculosis. EMBO molecular medicine, 16(8), 1755.

Foltz L, et al. (2024) Craniofacial chondrogenesis in organoids from human stem cell-derived neural crest cells. iScience, 27(4), 109585.

Hua M, et al. (2024) Generation and characterization of a human iPSC line and gene-corrected isogenic line derived from a patient with a CELF2 gene mutation. Stem cell research, 76, 103344.

Yoshida S, et al. (2023) A clinical-grade HLA haplobank of human induced pluripotent stem cells matching approximately 40% of the Japanese population. Med (New York,

N.Y.), 4(1), 51.

Hasegawa T, et al. (2023) Cytotoxic CD4+ T cells eliminate senescent cells by targeting cytomegalovirus antigen. *Cell*, 186(7), 1417.

Chen H, et al. (2023) EBV-Upregulated B7-H3 Inhibits NK cell-Mediated Antitumor Function and Contributes to Nasopharyngeal Carcinoma Progression. *Cancer immunology research*, 11(6), 830.

Lu JZ, et al. (2021) Generation of a laminopathies-specific iPSC line EHTJUi005-A-3 with homozygous knockout of the LMNA gene by CRISPR/Cas9 technology. *Stem cell research*, 56, 102530.

Qi YY, et al. (2021) An induced pluripotent stem cell line (EHTJUi004-A) generated from a neonate with c.4683_4684delCT:p.Leu1563fs mutation in the gene DSP causing Familial Arrhythmogenic Right Ventricular Dysplasia (ARVD). *Stem cell research*, 53, 102369.

Qiao ZB, et al. (2021) CRISPR/Cas9 mediated generation of a iPSC line EHTJUi005-A-1 with homozygous knockout of the SUV39H1 gene. *Stem cell research*, 56, 102519.

Jia WW, et al. (2021) An induced pluripotent stem cell line (EHTJUi003-A) generated from a neonate with c.1377delC mutation in the gene MYBPC3 causing hypertrophic cardiomyopathy. *Stem cell research*, 53, 102328.

Arendzen CH, et al. (2021) Generation of LUMCi041-A-2: Equipping a PAX3 reporter iPSC line with doxycycline inducible H2B-mTurquoise2 for live cell imaging. *Stem cell research*, 57, 102592.

Meraviglia V, et al. (2020) Generation of human induced pluripotent stem cell line LUMCi027-A and its isogenic gene-corrected line from a patient affected by arrhythmogenic cardiomyopathy and carrying the c.2013delC PKP2 mutation. *Stem cell research*, 46, 101835.

Huang YL, et al. (2020) Collagen-rich omentum is a premetastatic niche for integrin $\alpha 2$ -mediated peritoneal metastasis. *eLife*, 9.

Lu JZ, et al. (2020) An induced pluripotent stem cell line (EHTJUi002-A) derived from a neonate with c.678G>A mutation in the gene FZD4 causing exudative vitreoretinopathy. *Stem cell research*, 48, 101932.

Bouma MJ, et al. (2020) Generation and genetic repair of 2 iPSC clones from a patient bearing a heterozygous c.1120del18 mutation in the ACVRL1 gene leading to Hereditary Hemorrhagic Telangiectasia (HHT) type 2. *Stem cell research*, 46, 101786.