

Resource Summary Report

Generated by NIF on Jul 31, 2026

CD86

RRID:AB_394993

Type: Antibody

Proper Citation

BD Biosciences Cat# 553691, RRID:AB_394993

Antibody Information

URL: http://antibodyregistry.org/AB_394993

Proper Citation: BD Biosciences Cat# 553691, RRID:AB_394993

Target Antigen: CD86

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

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: CD86

Description: This monoclonal targets CD86

Target Organism: mouse

Antibody ID: AB_394993

Vendor: BD Biosciences

Catalog Number: 553691

Record Creation Time: 20250819T221504+0000

Record Last Update: 20250820T013543+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 CD86.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Toyonaga K, et al. (2025) Adaptor protein CARD9 is required for systemic host defense against *Candida auris*. *iScience*, 28(11), 113864.

Cros A, et al. (2023) Homeostatic activation of aryl hydrocarbon receptor by dietary ligands dampens cutaneous allergic responses by controlling Langerhans cells migration. *eLife*, 12.

Chen C, et al. (2023) Pravastatin promotes type 2 diabetes vascular calcification through activating intestinal *Bacteroides fragilis* to induce macrophage M1 polarization. *Journal of diabetes*.

Banerjee K, et al. (2023) VEGF-C-expressing TAMs rewire the metastatic fate of breast cancer cells. *Cell reports*, 42(12), 113507.

Domenjo-Vila E, et al. (2023) XCR1+ DCs are critical for T cell-mediated immunotherapy of chronic viral infections. *Cell reports*, 42(2), 112123.

Ruan GX, et al. (2022) The spliceosome component Usp39 controls B cell development by regulating immunoglobulin gene rearrangement. *Cell reports*, 38(6), 110338.

Gargaro M, et al. (2022) Indoleamine 2,3-dioxygenase 1 activation in mature cDC1 promotes tolerogenic education of inflammatory cDC2 via metabolic communication. *Immunity*, 55(6), 1032.

Giri J, et al. (2020) CCL2 and CXCL12 Derived from Mesenchymal Stromal Cells Cooperatively Polarize IL-10+ Tissue Macrophages to Mitigate Gut Injury. *Cell reports*, 30(6), 1923.

Zhao Y, et al. (2019) PD-L1:CD80 Cis-Heterodimer Triggers the Co-stimulatory Receptor CD28 While Repressing the Inhibitory PD-1 and CTLA-4 Pathways. *Immunity*, 51(6),

1059.

Muri J, et al. (2019) B1 and Marginal Zone B Cells but Not Follicular B2 Cells Require Gpx4 to Prevent Lipid Peroxidation and Ferroptosis. *Cell reports*, 29(9), 2731.

Chagwedera DN, et al. (2019) Nutrient Sensing in CD11c Cells Alters the Gut Microbiota to Regulate Food Intake and Body Mass. *Cell metabolism*, 30(2), 364.

Kooreman NG, et al. (2018) Autologous iPSC-Based Vaccines Elicit Anti-tumor Responses In Vivo. *Cell stem cell*, 22(4), 501.