

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

IgG1

RRID:AB_394862

Type: Antibody

Proper Citation

BD Biosciences Cat# 553443, RRID:AB_394862

Antibody Information

URL: http://antibodyregistry.org/AB_394862

Proper Citation: BD Biosciences Cat# 553443, RRID:AB_394862

Target Antigen: IgG1

Host Organism: rat

Clonality: monoclonal

Comments: Intracellular staining (flow Cytotoxicityometry)

Antibody Name: IgG1

Description: This monoclonal targets IgG1

Target Organism: mouse

Antibody ID: AB_394862

Vendor: BD Biosciences

Catalog Number: 553443

Record Creation Time: 20250820T044622+0000

Record Last Update: 20250820T195329+0000

Ratings and Alerts

No rating or validation information has been found for IgG1.

No alerts have been found for IgG1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Laulhé X, et al. (2026) B cell-intrinsic type I interferon signaling contributes to defective antibody responses to a model antigen during persistent LCMV infection. *Cell reports*, 45(4), 117145.

Segrén N, et al. (2026) Early-life B cell memory is archived in the mouse B-1 cell compartment and drives chronic lymphocytic leukemia-like disease. *Cell reports*, 45(4), 117202.

Dai P, et al. (2025) Transcription-coupled AID deamination damage depends on ELOF1-associated RNA polymerase II. *Molecular cell*, 85(7), 1280.

Ding Z, et al. (2025) Long-lived IgE plasma cells persist in secondary lymphoid tissues using a navitoclax-sensitive survival program. *Immunity*, 58(11), 2704.

Dai P, et al. (2025) Protocol for genetic dissection of class switch recombination using genome-editing tools. *STAR protocols*, 6(2), 103882.

Tsaousidou E, et al. (2024) Endogenous p53 inhibitor TIRR dissociates systemic metabolic health from oncogenic activity. *Cell reports*, 43(6), 114337.

Wiehe K, et al. (2024) Mutation-guided vaccine design: A process for developing boosting immunogens for HIV broadly neutralizing antibody induction. *Cell host & microbe*, 32(5), 693.

Li X, et al. (2024) Deficiency of CBL and CBLB ubiquitin ligases leads to hyper T follicular helper cell responses and lupus by reducing BCL6 degradation. *Immunity*, 57(7), 1603.

Diehl C, et al. (2024) Hyperreactive B cells instruct their elimination by T cells to curb autoinflammation and lymphomagenesis. *Immunity*.

Knudsen ML, et al. (2022) Adjuvants influence the maturation of VRC01-like antibodies during immunization. *iScience*, 25(11), 105473.

Chen X, et al. (2022) Protocol to identify and monitor key mutations of broadly neutralizing antibody lineages following sequential immunization of Ig-humanized mice. *STAR protocols*, 3(1), 101180.

Mu Z, et al. (2022) mRNA-encoded HIV-1 Env trimer ferritin nanoparticles induce monoclonal antibodies that neutralize heterologous HIV-1 isolates in mice. *Cell reports*, 38(11), 110514.

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

Chen X, et al. (2021) Vaccination induces maturation in a mouse model of diverse unmutated VRC01-class precursors to HIV-neutralizing antibodies with >50% breadth. *Immunity*, 54(2), 324.

Shen HM, et al. (2021) Loop extrusion promotes an alternate pathway for isotype switching. *Cell reports*, 37(8), 110059.

Sundling C, et al. (2021) Positive selection of IgG⁺ over IgM⁺ B cells in the germinal center reaction. *Immunity*, 54(5), 988.

Lin YR, et al. (2020) HIV-1 VRC01 Germline-Targeting Immunogens Select Distinct Epitope-Specific B Cell Receptors. *Immunity*, 53(4), 840.

Ramezani-Rad P, et al. (2020) Cyclin D3 Governs Clonal Expansion of Dark Zone Germinal Center B Cells. *Cell reports*, 33(7), 108403.

Haniuda K, et al. (2020) Metabolic Reprogramming Induces Germinal Center B Cell Differentiation through Bcl6 Locus Remodeling. *Cell reports*, 33(5), 108333.

Alterauge D, et al. (2020) Continued Bcl6 Expression Prevents the Transdifferentiation of Established Tfh Cells into Th1 Cells during Acute Viral Infection. *Cell reports*, 33(1), 108232.