

# Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

## Anti-alpha4/beta7 [A4B7R1]-APC

RRID:AB\_2819257

Type: Antibody

### Proper Citation

(NIH Nonhuman Primate Reagent Resource Cat# PR-21, RRID:AB\_2819257)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2819257](http://antibodyregistry.org/AB_2819257)

**Proper Citation:** (NIH Nonhuman Primate Reagent Resource Cat# PR-21, RRID:AB\_2819257)

**Target Antigen:** a4/b7 integrin

**Clonality:** recombinant

**Comments:** Originating vendor of this resource; Applications: Flow cytometry  
Info: Recombinant antibody against macaque a4/b7 integrin conjugated to APC.

**Antibody Name:** Anti-alpha4/beta7 [A4B7R1]-APC

**Description:** This recombinant targets a4/b7 integrin

**Target Organism:** Human, Rhesus

**Clone ID:** clone A4B7R1

**Antibody ID:** AB\_2819257

**Vendor:** NIH Nonhuman Primate Reagent Resource

**Catalog Number:** PR-21

**Record Creation Time:** 20260218T233615+0000

**Record Last Update:** 20260828T173634+0000

### Ratings and Alerts

No rating or validation information has been found for Anti-alpha4/beta7 [A4B7R1]-APC.

No alerts have been found for Anti-alpha4/beta7 [A4B7R1]-APC.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Barros PO, et al. (2025) Failure of ?? T Cell Recovery in the Gut With Effective Anti-HIV Therapy. Journal of immunology research, 2025, 9883892.

Rahman MA, et al. (2024) Loss of HIV candidate vaccine efficacy in male macaques by mucosal nanoparticle immunization rescued by V2-specific response. Nature communications, 15(1), 9102.

Burke Schinkel SC, et al. (2024) Comparative analysis of human gut- and blood-derived mononuclear cells: contrasts in function and phenotype. Frontiers in immunology, 15, 1336480.

Rahman MA, et al. (2023) Vaccine plus microbicide effective in preventing vaginal SIV transmission in macaques. Nature microbiology, 8(5), 905.

Tkachev V, et al. (2023) Notch signaling drives intestinal graft-versus-host disease in mice and nonhuman primates. Science translational medicine, 15(702), eadd1175.

Rahman MA, et al. (2023) Cholera toxin B scaffolded, focused SIV V2 epitope elicits antibodies that influence the risk of SIVmac251 acquisition in macaques. Frontiers in immunology, 14, 1139402.

Ackerley CG, et al. (2022) The rectal mucosal immune environment and HIV susceptibility among young men who have sex with men. Frontiers in immunology, 13, 972170.

Kroll KW, et al. (2022) Mucosal-homing natural killer cells are associated with aging in persons living with HIV. Cell reports. Medicine, 3(10), 100773.

Gorini G, et al. (2020) Engagement of monocytes, NK cells, and CD4+ Th1 cells by ALVAC-SIV vaccination results in a decreased risk of SIVmac251 vaginal acquisition. PLoS pathogens, 16(3), e1008377.

Silva de Castro I, et al. (2020) Expression of CD40L by the ALVAC-Simian Immunodeficiency Virus Vector Abrogates T Cell Responses in Macaques. Journal of virology, 94(6).

Di Mascio M, et al. (2019) Evaluation of an antibody to ?4?7 in the control of SIVmac239-nef-stop infection. Science (New York, N.Y.), 365(6457), 1025.

Ouwendijk WJD, et al. (2018) Simian Varicella Virus Infects Enteric Neurons and  $\alpha\beta$  Integrin-Expressing Gut-Tropic T-Cells in Nonhuman Primates. *Viruses*, 10(4).

Wood LF, et al. (2018) Feeding-Related Gut Microbial Composition Associates With Peripheral T-Cell Activation and Mucosal Gene Expression in African Infants. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 67(8), 1237.

Vaccari M, et al. (2018) HIV vaccine candidate activation of hypoxia and the inflammasome in CD14<sup>+</sup> monocytes is associated with a decreased risk of SIVmac251 acquisition. *Nature medicine*, 24(6), 847.

Iyer SS, et al. (2017) Characteristics of HIV target CD4 T cells collected using different sampling methods from the genital tract of HIV seronegative women. *PloS one*, 12(6), e0178193.

Swan ZD, et al. (2017) Persistent accumulation of gut macrophages with impaired phagocytic function correlates with SIV disease progression in macaques. *European journal of immunology*, 47(11), 1925.

Aravantinou M, et al. (2017) Experimental Oral Herpes Simplex Virus-1 (HSV-1) Co-infection in Simian Immunodeficiency Virus (SIV)-Infected Rhesus Macaques. *Frontiers in microbiology*, 8, 2342.

Shaw JM, et al. (2017) Influence of Plasma Cell Niche Factors on the Recruitment and Maintenance of IRF4<sup>hi</sup> Plasma Cells and Plasmablasts in Vaccinated, Simian Immunodeficiency Virus-Infected Rhesus Macaques with Low and High Viremia. *Journal of virology*, 91(4).

Ries M, et al. (2017) KIR3DL01 upregulation on gut natural killer cells in response to SIV infection of KIR- and MHC class I-defined rhesus macaques. *PLoS pathogens*, 13(7), e1006506.

Tuero I, et al. (2016) Mucosal and Systemic  $\alpha\beta$  T Cells Associated with Control of Simian Immunodeficiency Virus Infection. *Journal of immunology (Baltimore, Md. : 1950)*, 197(12), 4686.