

Resource Summary Report

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SPICE

RRID:SCR_016603

Type: Tool

Proper Citation

SPICE (RRID:SCR_016603)

Resource Information

URL: <https://niaid.github.io/spice/>

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Description: Software application for data mining and visualization. Used for analyzes of large FLOWJO data sets from polychromatic flow cytometry and organizing the normalized data graphically.

Abbreviations: SPICE

Synonyms: Simplified Presentation of Incredibly Complex Evaluations

Resource Type: software application, data analysis software, software resource, data processing software, data visualization software

Defining Citation: [PMID:21265010](#)

Keywords: data, mining, visualization, analysis, polychromatic, flow, cytometry, dataset, normalized, graphically, bio.tools

Funding: NIAID ;
NIH

Availability: Free, Available for download, Freely available

Resource Name: SPICE

Resource ID: SCR_016603

Alternate IDs: biotools:spice

Alternate URLs: <https://bio.tools/spice>

Record Creation Time: 20220129T080331+0000

Ratings and Alerts

No rating or validation information has been found for SPICE.

No alerts have been found for SPICE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 66 mentions in open access literature.

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

McMahon WC, et al. (2025) T-cell responses induced by SARS-CoV-2 index-virus nanoparticle protein vaccine to the ancestral and omicron variants 6 months following primary vaccination. Communications medicine, 5(1), 220.

Son HJ, et al. (2025) Varicella-Zoster Virus-Specific Cell-Mediated Immune Response Kinetics and Latent Viral Load Depending on Aging. Journal of medical virology, 97(10), e70651.

Boulouis C, et al. (2025) Human MAIT cell response profiles biased toward IL-17 or IL-10 are distinct effector states directed by the cytokine milieu. Proceedings of the National Academy of Sciences of the United States of America, 122(6), e2414230122.

Lim JX, et al. (2025) PD-1 receptor deficiency enhances CD30+ Treg cell function in melanoma. Nature immunology, 26(7), 1074.

Olofsson A, et al. (2025) Adaptive immune responses against common viruses are sustained and functional in end-of-life patients. iScience, 28(3), 112082.

Czernikier A, et al. (2025) GITR triggering has limited impact on HIV-specific CD8 T-cell function but enhances HIV transcription reactivation from latently infected CD4 T-cells. Scientific reports, 15(1), 43002.

Autaa G, et al. (2025) Aging and inflammation limit the induction of SARS-CoV-2-specific CD8+ T cell responses in severe COVID-19. JCI insight, 10(4).

Mikaeloff F, et al. (2025) Host Plasma Microenvironment in Immunometabolically Impaired HIV Infection Leads to Dysregulated Monocyte Function and Synaptic Transmission Ex Vivo. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(16), e2416453.

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

Medoro AK, et al. (2024) T cell responses and clinical symptoms among infants with congenital cytomegalovirus infection. JCI insight, 9(18).

Vijayan A, et al. (2024) A self-amplifying RNA RSV prefusion-F vaccine elicits potent immunity in pre-exposed and naïve non-human primates. Nature communications, 15(1), 9884.

Dimitri AJ, et al. (2024) TET2 regulates early and late transitions in exhausted CD8+ T cell differentiation and limits CAR T cell function. Science advances, 10(46), eadp9371.

Soto CA, et al. (2024) The Lactate Receptor GPR81 is a Mechanism of Leukemia-Associated Macrophage Polarization in the Bone Marrow Microenvironment. bioRxiv : the preprint server for biology.

Brunet-Ratnasingham E, et al. (2024) Sustained IFN signaling is associated with delayed development of SARS-CoV-2-specific immunity. Nature communications, 15(1), 4177.

Audran R, et al. (2024) Immunomodulation profile of the biosimilar trastuzumab MYL-1401O in a bioequivalence phase I study. Scientific reports, 14(1), 12872.

Capone S, et al. (2023) GRAd-COV2 vaccine provides potent and durable humoral and cellular immunity to SARS-CoV-2 in randomized placebo-controlled phase 2 trial. Cell reports. Medicine, 4(6), 101084.

Duette G, et al. (2023) Highly Networked SARS-CoV-2 Peptides Elicit T Cell Responses with Enhanced Specificity. ImmunoHorizons, 7(6), 508.

Cai C, et al. (2023) SARS-CoV-2 vaccination enhances the effector qualities of spike-specific T cells induced by COVID-19. Science immunology, 8(90), eadh0687.

Alam K, et al. (2023) Antigen-Specific Intraocular Cytokine Responses Distinguish Ocular Tuberculosis From Undifferentiated Uveitis in Tuberculosis-Immunoreactive Patients. American journal of ophthalmology, 246, 31.

Cabral-Piccin MP, et al. (2023) Primary role of type I interferons for the induction of functionally optimal antigen-specific CD8+ T cells in HIV infection. EBioMedicine, 91, 104557.