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 processing software, data analysis software, software resource, 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

Record Last Update: 20260804T043624+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.

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

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

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).

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.

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.

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.