Resource Summary Report

Generated by <u>dkNET</u> on May 8, 2025

immunarch

RRID:SCR_023089 Type: Tool

Proper Citation

immunarch (RRID:SCR_023089)

Resource Information

URL: https://immunarch.com/

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Description: Software R package for exploration of single-cell and bulk T-cell/antibody immune repertoires. Framework for bioinformatics exploratory analysis of bulk and single-cell T-cell receptor and antibody repertoires.

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

Keywords: exploratory analysis, bulk and single-cell T-cell receptor, antibody repertoires

Funding:

Availability: Free, Available for download, Freely available

Resource Name: immunarch

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Alternate URLs: http://doi.org/10.5281/zenodo.3367200, https://CRAN.Rproject.org/package=immunarch, https://github.com/immunomind/immunarch/tree/0.9.0

License: AGPL-3

Record Creation Time: 20221230T050203+0000

Record Last Update: 20250508T070110+0000

Ratings and Alerts

No rating or validation information has been found for immunarch.

No alerts have been found for immunarch.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Che Y, et al. (2024) Induced B-Cell Receptor Diversity Predicts PD-1 Blockade Immunotherapy Response. bioRxiv : the preprint server for biology.

Huang J, et al. (2024) Bioinformatics tools and resources for cancer and application. Chinese medical journal, 137(17), 2052.

Aba Ü, et al. (2024) A Novel Homozygous Germline Mutation in Transferrin Receptor 1 (TfR1) Leads to Combined Immunodeficiency and Provides New Insights into Iron-Immunity Axis. Journal of clinical immunology, 44(2), 55.

Giovenzana A, et al. (2024) Fat-to-blood recirculation of partially dysfunctional PD-1+CD4 Tconv cells is associated with dysglycemia in human obesity. iScience, 27(3), 109032.

Liu W, et al. (2024) An immune cell map of human lung adenocarcinoma development reveals an anti-tumoral role of the Tfh-dependent tertiary lymphoid structure. Cell reports. Medicine, 5(3), 101448.

Roider T, et al. (2024) Multimodal and spatially resolved profiling identifies distinct patterns of T cell infiltration in nodal B cell lymphoma entities. Nature cell biology, 26(3), 478.

Jing Z, et al. (2024) Fine-tuning spatial-temporal dynamics and surface receptor expression support plasma cell-intrinsic longevity. eLife, 12.

Chun D, et al. (2024) Flt3L enhances clonal diversification and selective expansion of intratumoral CD8+ T cells while differentiating into effector-like cells. Cell reports, 43(12), 115023.

Kastenschmidt JM, et al. (2023) Influenza vaccine format mediates distinct cellular and antibody responses in human immune organoids. Immunity, 56(8), 1910.

Coffey DG, et al. (2023) Immunophenotypic correlates of sustained MRD negativity in

patients with multiple myeloma. Nature communications, 14(1), 5335.

Kim CG, et al. (2023) Prior antibiotic administration disrupts anti-PD-1 responses in advanced gastric cancer by altering the gut microbiome and systemic immune response. Cell reports. Medicine, 4(11), 101251.

Cohen GS, et al. (2023) Transplantation elicits a clonally diverse CD8+ T cell response that is comprised of potent CD43+ effectors. Cell reports, 42(8), 112993.

Le Moine M, et al. (2023) Homeostatic PD-1 signaling restrains EOMES-dependent oligoclonal expansion of liver-resident CD8 T cells. Cell reports, 42(8), 112876.

Zhu Y, et al. (2023) Opioid-induced fragile-like regulatory T cells contribute to withdrawal. Cell, 186(3), 591.