

Resource Summary Report

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[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: data analysis software, data processing software, software application, software resource, software toolkit

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

Availability: Free, Available for download, Freely available

Resource Name: immunarch

Resource ID: SCR_023089

Alternate URLs: <http://doi.org/10.5281/zenodo.3367200>, <https://CRAN.R-project.org/package=immunarch>, <https://github.com/immunomind/immunarch/tree/0.9.0>

License: AGPL-3

Record Creation Time: 20221230T050203+0000

Record Last Update: 20260905T133019+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 33 mentions in open access literature.

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

Savage G, et al. (2026) Phenotypic Characterization and Prognostic Impact of CD103+ Tissue-Resident Memory T Cells in Diffuse Large B-cell Lymphoma. *Cancer immunology research*, 14(2), 291.

Yan C, et al. (2026) RAS/MEK/PI3K pathway inhibition augments response to CD40 agonism by targeting CD11b+ Bregs thereby overcoming melanoma PD1-resistance. *Nature communications*, 17(1), 162.

Ye J, et al. (2026) Baseline Tumor Features and Systemic Immune Dynamics Underlying Efficacy in MSS Metastatic Colorectal Cancer Treated with Regorafenib, Ipilimumab, and Nivolumab. *Cancer immunology research*, 14(4), 585.

Al Souz J, et al. (2026) Organ injury in systemic autoimmunity is mediated by stem-like CD8+ T cells arising from tissue-draining lymph nodes. *Immunity*, 59(6), 1667.

Chen K, et al. (2026) Identification of a distinct cluster of LY6E+ macrophages in esophageal squamous cell carcinoma: functional phenotype, spatial interaction, and prognostic significance. *British journal of cancer*, 135(3), 382.

Gong Z, et al. (2025) Unveiling the immunological landscape of disseminated tuberculosis: a single-cell transcriptome perspective. *Frontiers in immunology*, 16, 1527592.

Jacobs BM, et al. (2025) Single-cell analysis of cerebrospinal fluid reveals common features of neuroinflammation. *Cell reports. Medicine*, 6(1), 101733.

Loyal L, et al. (2025) Aging and Viral Evolution Impair Immunity Against Dominant Pan-Coronavirus-Reactive T Cell Epitope. *European journal of immunology*, 55(7), e51888.

Dai Y, et al. (2025) PPP2R1A mutations portend improved survival after cancer immunotherapy. *Nature*, 644(8076), 537.

Li E, et al. (2025) Single-cell sequencing on PBMCs from patients with HA and HB with inhibitors reveals different immune responses to FVIII and FIX. *Blood advances*, 9(15), 3967.

Beck S, et al. (2025) Immunogenomic profiles of HIV-associated classic Hodgkin lymphoma from Malawi. *Blood global hematology*, 1(3).

Liu J, et al. (2025) Precision targeting of autoreactive B cells in systemic lupus erythematosus using anti-9G4 idiotope synthetic immune receptor T cells. *bioRxiv : the preprint server for biology*.

Wang P, et al. (2025) Immunopipe: a comprehensive and flexible scRNA-seq and scTCR-seq data analysis pipeline. *NAR genomics and bioinformatics*, 7(2), lqaf063.

Wang Y, et al. (2025) Cognate interaction-dependent pathogenicity of meningeal B cells drives neuroinflammation relapse. *Immunity*, 58(9), 2256.

Zhanzak Z, et al. (2025) Identification of indirect CD4+ T cell epitopes associated with transplant rejection provides a target for donor-specific tolerance induction. *Immunity*, 58(2), 448.

Sureshchandra S, et al. (2025) Deep profiling of human T cells defines compartmentalized clones and phenotypic trajectories across blood and tonsils. *Immunity*, 58(12), 3130.

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

Ding J, et al. (2024) A distinct immune landscape in anti-synthetase syndrome profiled by a single-cell genomic study. *Frontiers in immunology*, 15, 1436114.

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

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.