

Resource Summary Report

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ImmuneDB

RRID:SCR_017125

Type: Tool

Proper Citation

ImmuneDB (RRID:SCR_017125)

Resource Information

URL: <https://immunedb.readthedocs.io/en/latest/>

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Description: Software system for storing and analyzing high throughput B and T cell immune receptor sequencing data. Comprised of web interface and of Python analysis tools to process raw reads for gene usage, infer clones, aggregate data, and run downstream analyses, or in conjunction with other AIRR tools using its import and export features.

Resource Type: service resource, data analysis service, database, analysis service resource, production service resource, data or information resource

Defining Citation: [PMID:30298069](#)

Keywords: collect, store, analysis, B cell, T cell, immune, receptor, sequencing, data, process, raw, read

Funding: NIAID P01 AI106697;
NIAID P30 AI0450080;
NIDDK UC4 DK112217;
NCI P30 CA016520

Availability: Free, Available for download, Freely available

Resource Name: ImmuneDB

Resource ID: SCR_017125

Alternate URLs: <https://github.com/arosenfeld/immunedb>

License: GNU GPL v3

Record Creation Time: 20220129T080333+0000

Ratings and Alerts

No rating or validation information has been found for ImmuneDB.

No alerts have been found for ImmuneDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Knox JJ, et al. (2025) B-Cell Subset Representation Predicts SARS-CoV-2 Vaccine Response in Solid Organ Transplant Recipients. The Journal of infectious diseases.

Miron M, et al. (2021) Maintenance of the human memory T cell repertoire by subset and tissue site. Genome medicine, 13(1), 100.

Goel RR, et al. (2021) Distinct antibody and memory B cell responses in SARS-CoV-2 naïve and recovered individuals following mRNA vaccination. Science immunology, 6(58).

Goel RR, et al. (2021) mRNA Vaccination Induces Durable Immune Memory to SARS-CoV-2 with Continued Evolution to Variants of Concern. bioRxiv : the preprint server for biology.

Goel RR, et al. (2021) mRNA vaccines induce durable immune memory to SARS-CoV-2 and variants of concern. Science (New York, N.Y.), 374(6572), abm0829.

Norman RA, et al. (2020) Computational approaches to therapeutic antibody design: established methods and emerging trends. Briefings in bioinformatics, 21(5), 1549.

Belman JP, et al. (2020) Dramatic increase in gene mutational burden after transformation of follicular lymphoma into TdT+ B-lymphoblastic leukemia/lymphoma. Cold Spring Harbor molecular case studies, 6(1).

Trivedi N, et al. (2019) Liver Is a Generative Site for the B Cell Response to Ehrlichia muris. Immunity, 51(6), 1088.