

Resource Summary Report

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IMGT - the international ImMunoGeneTics information system

RRID:SCR_012780

Type: Tool

Proper Citation

IMGT - the international ImMunoGeneTics information system (RRID:SCR_012780)

Resource Information

URL: <http://www.imgt.org/>

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Description: A high-quality integrated knowledge resource specialized in the immunoglobulins (IG) or antibodies, T cell receptors (TR), major histocompatibility complex (MHC) of human and other vertebrate species, and in the immunoglobulin superfamily (IgSF), MHC superfamily (MhcSF) and related proteins of the immune system (RPI) of vertebrates and invertebrates, serving as the global reference in immunogenetics and immunoinformatics. IMGT provides a common access to sequence, genome and structure Immunogenetics data, based on the concepts of IMGT-ONTOLOGY and on the IMGT Scientific chart rules. IMGT works in close collaboration with EBI (Europe), DDBJ (Japan) and NCBI (USA). IMGT consists of sequence databases, genome database, structure database, and monoclonal antibodies database, Web resources and interactive tools.

Abbreviations: IMGT

Synonyms: ImMunoGeneTics Information System, IMGT/LIGM, ImMunoGeneTics

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

Defining Citation: [PMID:18978023](#)

Keywords: immunogenetics, immunoinformatics, immunoglobulin, antibody, t cell receptor, major histocompatibility complex, immunoglobulin superfamily, major histocompatibility complex superfamily, protein, immune system, sequence, genome, structure, monoclonal antibody, gold standard, bio.tools

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Agence Nationale de la recherche ANR BIOSYS06_135457;
EU ImmunoGrid IST-028069

Resource Name: IMGT - the international ImMunoGeneTics information system

Resource ID: SCR_012780

Alternate IDs: nif-0000-03011, biotools:imgt

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

Old URLs: <http://imgt.cines.fr>

Record Creation Time: 20220129T080312+0000

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Ratings and Alerts

No rating or validation information has been found for IMGT - the international ImMunoGeneTics information system.

No alerts have been found for IMGT - the international ImMunoGeneTics information system.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 746 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Kastner AL, et al. (2025) Durable lymphocyte subset elimination upon a single dose of AAV-delivered depletion antibody dissects immune control of chronic viral infection. Immunity, 58(2), 481.

Agarwal R, et al. (2025) Identification of immunogenic and cross-reactive chikungunya virus epitopes for CD4+ T cells in chronic chikungunya disease. Nature communications, 16(1), 5756.

Luo H, et al. (2025) Large-Scale T-cell Receptor Repertoire Profiling Unveils Tumor-Specific Signals for Diagnosing Indeterminate Pulmonary Nodules. *Cancer research*, 85(24), 5141.

Ureshino H, et al. (2025) Clinical Features and T-Cell Repertoire of Chronic Myeloid Leukemia Patients Who Attempt Discontinuation of Tyrosine Kinase Inhibitors: The ISAC-TFR Study. *Cancer medicine*, 14(15), e71142.

Huang Y, et al. (2025) A single residue switch mediates the broad neutralization of Rotaviruses. *Nature communications*, 16(1), 838.

Loureiro JP, et al. (2025) Recognition of MR1-antigen complexes by TCR V α 9V β 2. *Frontiers in immunology*, 16, 1519128.

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Zhou P, et al. (2025) Heterohybridomas producing human immunoglobulin light chains using CD138-selected bone marrow cells. *Biochemistry and biophysics reports*, 42, 102017.

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Gong Y, et al. (2025) Landscapes of immunoglobulin heavy-chain gene repertoire and its cytogenetic abnormalities in Chinese patients with multiple myeloma. *Scientific reports*, 15(1), 22837.

He S, et al. (2025) Reverse-normal immunopurification: An effective approach for purifying recombinant erythropoietin from its analogues in doping analysis. *Journal of sport and health science*, 14, 101062.

Jana U, et al. (2025) The human immunoglobulin heavy chain constant gene locus is enriched for large complex structural variants and coding polymorphisms that vary in frequency among human populations. *bioRxiv : the preprint server for biology*.

Liang H, et al. (2025) The prognosis and immune repertoire characteristics of HBsAg and anti-HBs double positive chronic hepatitis B patients. *Clinical and experimental medicine*, 25(1), 32.

Wang Y, et al. (2025) A potent and broad CD4 binding site neutralizing antibody with strong ADCC activity from a Chinese HIV-1 elite neutralizer. *Cell discovery*, 11(1), 55.

Raeisi H, et al. (2025) Development of novel neutralizing single-chain fragment variable antibodies against S100A8. *Scientific reports*, 15(1), 12618.

Döring S, et al. (2025) Challenges and Insights in Absolute Quantification of Recombinant Therapeutic Antibodies by Mass Spectrometry: An Introductory Review. *Antibodies (Basel, Switzerland)*, 14(1).

Han X, et al. (2025) Identification of novel KRASG12D neoantigen specific TCRs and a strategy to eliminate off-target recognition. *Journal of translational medicine*, 23(1), 78.