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

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 728 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

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

Hanna SJ, et al. (2025) The Type 1 Diabetes T Cell Receptor and B Cell Receptor Repository in the AIRR Data Commons: a practical guide for access, use and contributions through the Type 1 Diabetes AIRR Consortium. Diabetologia, 68(1), 186.

Shirasawa M, et al. (2025) Diversity of TCR repertoire predicts recurrence after CRT followed by durvalumab in patients with NSCLC. NPJ precision oncology, 9(1), 17.

Angelats L, et al. (2025) Linking tumor immune infiltration to enhanced longevity in recurrence-free breast cancer. ESMO open, 10(1), 104109.

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).

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.

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.

Williams GP, et al. (2024) PINK1 is a target of T cell responses in Parkinson's disease. bioRxiv : the preprint server for biology.

Altman PX, et al. (2024) Immunization of cows with HIV envelope trimers generates broadly neutralizing antibodies to the V2-apex from the ultralong CDRH3 repertoire. PLoS pathogens, 20(9), e1012042.

Mohan N, et al. (2024) Structural and functional characterization of IgG- and non-IgG-based T-cell-engaging bispecific antibodies. Frontiers in immunology, 15, 1376096.

Xia J, et al. (2024) Insights into cytomegalovirus-associated T cell receptors in recipients following allogeneic hematopoietic stem cell transplantation. Virology journal, 21(1), 236.

Schiffner T, et al. (2024) Vaccination induces broadly neutralizing antibody precursors to HIV gp41. Nature immunology, 25(6), 1073.

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Altman PX, et al. (2024) Immunization of cows with HIV envelope trimers generates broadly neutralizing antibodies to the V2-apex from the ultralong CDRH3 repertoire. bioRxiv : the preprint server for biology.

Xia Y, et al. (2024) PARP inhibitors enhance antitumor immune responses by triggering pyroptosis via TNF-caspase 8-GSDMD/E axis in ovarian cancer. Journal for immunotherapy of cancer, 12(10).

Hansen MH, et al. (2024) SWIGH-SCORE: A translational light-weight approach in computational detection of rearranged immunoglobulin heavy chain to be used in monoclonal lymphoproliferative disorders. MethodsX, 12, 102741.

Winnicki AC, et al. (2024) Potent AMA1-specific human monoclonal antibody against Plasmodium vivax Pre-erythrocytic and Blood Stages. Nature communications, 15(1), 10556.

Shimoya K, et al. (2024) Mice carrying the full-length human immunoglobulin loci produce antigen-specific human antibodies with the lambda light chain. iScience, 27(12), 111258.

Zhou P, et al. (2024) Seeking Amyloidosis Very Early: Free light Chain Differentials and IGLV Gene Use as Screening Variables for Light-chain Amyloidosis in ? Monoclonal Gammopathies. British journal of cancer research, 7(2), 681.

Chang YH, et al. (2024) Functional and structural investigation of a broadly neutralizing SARS-CoV-2 antibody. JCI insight, 9(10).