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

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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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

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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 779 mentions in open access literature.

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

Kim S, et al. (2026) Gut microbiota transfer from autoimmune dry eye mice imprints stereotypic B cell receptor repertoires in the lacrimal gland and induces disease. Frontiers in immunology, 17, 1827057.

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Kustro Garnica T, et al. (2026) Unraveling IGK locus in dog breeds: IMGT® new insights into canine immunogenetics. NAR genomics and bioinformatics, 8(1), lqag020.

Cao K, et al. (2026) A structure-informed deep learning framework for modeling TCR-peptide-HLA interactions. bioRxiv : the preprint server for biology.

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Lefranc MP, et al. (2026) IMGT® Nomenclature of Immunoglobulins (IG) or Antibodies and T Cell Receptors (TR): A Common Language for Immunoinformatics and Artificial Intelligence (AI). Antibodies (Basel, Switzerland), 15(2).

Nizard ST, et al. (2026) A Recombinant Antibody Against Human DRP1 Serine 616 Phosphorylation Enables Detection of BRAFV600E-Associated Mitochondrial Division in Cancer. Antibodies (Basel, Switzerland), 15(2).

Mishra N, et al. (2026) Germline-targeting HIV immunogen induces cross-neutralizing antibodies in outbred macaques. Immunity, 59(4), 1140.

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.