

Resource Summary Report

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BioPlex

RRID:SCR_016144

Type: Tool

Proper Citation

BioPlex (RRID:SCR_016144)

Resource Information

URL: <http://bioplex.hms.harvard.edu/>

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Description: Database of cell lines with each expressing a tagged version of a protein from the ORFeome collection. The overarching project goal is to determine protein interactions for every member of the collection.

Synonyms: BioPlex (biophysical interactions of ORFeome-based complexes), Harvard BioPlex, Biophysical Interactions of Orfeome-based compLEXes (BioPLEX)

Resource Type: data or information resource, data repository, database, service resource, storage service resource

Defining Citation: [PMID:28514442](#)

Keywords: cell, line, protein, immunopurification, mass, spectrometry, interaction, bio.tools, FASEB list

Funding: Canadian Institutes for Health Research ;
NHGRI U41HG006673;
NIDDK K01 DK098285

Resource Name: BioPlex

Resource ID: SCR_016144

Alternate IDs: biotools:bioplex_2.0

Alternate URLs: https://bio.tools/bioplex_2.0

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260821T194102+0000

Ratings and Alerts

No rating or validation information has been found for BioPlex.

No alerts have been found for BioPlex.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1378 mentions in open access literature.

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

Agrawal M, et al. (2026) Early mucosal IFN- γ , IP-10, and IL-1RA and synchronized mucosal and systemic immune responses mediate COVID-19 disease progression. *mBio*, 17(1), e0149125.

Mao Y, et al. (2026) Myeloid cell-specific HMGB1 deficiency exaggerates mucoinflammatory responses but promotes bacterial clearance in mucoinflammatory lung disease. *Scientific reports*, 16(1), 3391.

Wang Y, et al. (2026) A 15-layer multi-omics analysis of gastric cancer ecotypes provides therapeutic insights. *Cell reports. Medicine*, 7(5), 102756.

Muñoz-Grajales C, et al. (2026) Differences in IgG Sialylation Distinguish Asymptomatic From Symptomatic Antinuclear Antibody-Positive Individuals. *Arthritis & rheumatology* (Hoboken, N.J.), 78(1), 243.

Guo X, et al. (2026) A framework for the exploration of subcellular compartmentalization of RNA-binding proteins. *Nature communications*, 17(1).

Yamaoka S, et al. (2026) Ebola virus matrix protein VP40 triggers inflammatory responses linked to the ebolavirus virulence. *Proceedings of the National Academy of Sciences of the United States of America*, 123(1), e2508194123.

Laman Trip DS, et al. (2026) A tissue-specific atlas of protein-protein associations enables prioritization of candidate disease genes. *Nature biotechnology*, 44(4), 654.

Li J, et al. (2026) Protein-protein interactions shape trans-regulatory impact of genetic variation on protein expression and complex traits. *Nature genetics*, 58(1), 77.

Alam A, et al. (2026) Targeting protein protein interactions and their modulators to enable new therapeutic strategies for human diseases. *NPJ systems biology and applications*, 12(1).

Marino GB, et al. (2025) GeneSetCart: assembling, augmenting, combining, visualizing, and analyzing gene sets. *GigaScience*, 14.

Gonzalez-Lozano MA, et al. (2025) EndoMAP.v1 charts the structural landscape of human early endosome complexes. *Nature*, 643(8070), 252.

Elbagir S, et al. (2025) Anti-histone and anti-nucleosome rather than anti-dsDNA antibodies associate with IFN-induced biomarkers in Sudanese and Swedish SLE patients. *Rheumatology (Oxford, England)*, 64(3), 1170.

Chaves YO, et al. (2025) Association between cytokine and increased risk of death in ART- naïve and ART-non-adherence patients hospitalized with advanced HIV disease. *BMC infectious diseases*, 25(1), 197.

Ndong Mebaley TG, et al. (2025) Ebola and Marburg viruses IgG detections in small ruminants and dogs from villages within outbreak areas in Gabon. *PloS one*, 20(3), e0314801.

Tamargo CL, et al. (2025) The distal nephron biomarkers associate with diabetic kidney disease progression. *JCI insight*, 10(12).

Ishiguro M, et al. (2025) Berberine Prevents NSAID-Induced Small Intestinal Injury by Protecting Intestinal Barrier and Inhibiting Inflammasome-Associated Activation. *Digestive diseases and sciences*, 70(12), 4140.

Vezzani G, et al. (2025) Isolation of human monoclonal antibodies from 4CMenB vaccinees reveals PorB and LOS as the main OMV components inducing cross-strain protection. *Frontiers in immunology*, 16, 1565862.

Niehaus C, et al. (2025) Origin of Hypofunctional CD103+ NK Cells in Cirrhosis-Associated Ascites. *European journal of immunology*, 55(6), e51311.

Koenig L, et al. (2025) A microfluidic bone marrow chip for the safety profiling of biologics in pre-clinical drug development. *Communications biology*, 8(1), 754.

Ahmed JI, et al. (2025) Improved antibody breadth with an extended primary dose interval of COVID-19 vaccine is overcome by boosters. *Frontiers in immunology*, 16, 1529134.