

# Resource Summary Report

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## LaCyTools

RRID:SCR\_024525

Type: Tool

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### Proper Citation

LaCyTools (RRID:SCR\_024525)

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### Resource Information

**URL:** <https://github.com/Tarskin/LaCyTools>

**Proper Citation:** LaCyTools (RRID:SCR\_024525)

**Description:** Software high throughput data extraction package for LC-MS data.Targeted Liquid Chromatography-Mass Spectrometry data processing package for relative quantitation of glycopeptides.

**Resource Type:** software resource, software toolkit

**Defining Citation:** [PMID:27267458](#)

**Keywords:** Targeted Liquid Chromatography, Mass Spectrometry Data Processing, relative quantitation of glycopeptides,

**Availability:** Free, Available for download, Freely available

**Resource Name:** LaCyTools

**Resource ID:** SCR\_024525

**License:** Apache v2.0

**Record Creation Time:** 20231002T161337+0000

**Record Last Update:** 20260725T191113+0000

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### Ratings and Alerts

No rating or validation information has been found for LaCyTools.

No alerts have been found for LaCyTools.

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### Data and Source Information

## Usage and Citation Metrics

We found 24 mentions in open access literature.

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

van Tol BDM, et al. (2025) Comprehensive Immunoglobulin G, A, and M Glycopeptide Profiling for Large-Scale Biomedical Research. *Molecular & cellular proteomics : MCP*, 24(3), 100928.

Biersteker R, et al. (2025) Modulation of immunoglobulin G oligomerization by variable domain glycans: A mechanism to regulate complement activation. *PNAS nexus*, 4(7), pgaf216.

Falck D, et al. (2025) IgA displays site- and subclass-specific glycoform differences despite equal glycoenzyme expression. *Cell communication and signaling : CCS*, 23(1), 92.

Pribi? T, et al. (2025) A 2-year calorie restriction intervention may reduce glycomic biological age biomarkers - a pilot study. *npj aging*, 11(1), 71.

Kloet MS, et al. (2025) Identification of RNF114 as ADPr-Ub reader through non-hydrolysable ubiquitinated ADP-ribose. *Nature communications*, 16(1), 6319.

Lakerveld AJ, et al. (2025) Decreased Fc fucosylation aligns with enhanced RSV-specific antibody functionality in adults compared to young children. *Communications medicine*, 5(1), 540.

Kissel T, et al. (2024) N-linked Fc glycosylation is not required for IgG-B-cell receptor function in a GC-derived B-cell line. *Nature communications*, 15(1), 393.

Gijze S, et al. (2024) Simultaneous Protein Quantitation and Glycosylation Profiling of Antigen-Specific Immunoglobulin G1 in Large Clinical Studies. *Journal of proteome research*, 23(12), 5600.

de Taeye SW, et al. (2024) Afucosylated broadly neutralizing antibodies enhance clearance of HIV-1 infected cells through cell-mediated killing. *Communications biology*, 7(1), 964.

Pribi? T, et al. (2024) A 2-year calorie restriction intervention reduces glycomic biological age biomarkers. *medRxiv : the preprint server for health sciences*.

van Tol BDM, et al. (2023) Neutron-encoded diubiquitins to profile linkage selectivity of deubiquitinating enzymes. *Nature communications*, 14(1), 1661.

Kissel T, et al. (2022) Surface Ig variable domain glycosylation affects autoantigen binding and acts as threshold for human autoreactive B cell activation. *Science advances*, 8(6), eabm1759.

Falck D, et al. (2022) Clearance of therapeutic antibody glycoforms after subcutaneous and intravenous injection in a porcine model. *mAbs*, 14(1), 2145929.

Falck D, et al. (2021) Glycoform-resolved pharmacokinetic studies in a rat model employing glycoengineered variants of a therapeutic monoclonal antibody. *mAbs*, 13(1), 1865596.

Werner A, et al. (2021) Targeting B cells in the pre-phase of systemic autoimmunity globally interferes with autoimmune pathology. *iScience*, 24(9), 103076.

Cheng HD, et al. (2020) IgG Fc glycosylation as an axis of humoral immunity in childhood. *The Journal of allergy and clinical immunology*, 145(2), 710.

Sénard T, et al. (2020) MS-Based Allotype-Specific Analysis of Polyclonal IgG-Fc N-Glycosylation. *Frontiers in immunology*, 11, 2049.

Steffen U, et al. (2020) IgA subclasses have different effector functions associated with distinct glycosylation profiles. *Nature communications*, 11(1), 120.

Momčilović A, et al. (2020) Simultaneous Immunoglobulin A and G Glycopeptide Profiling for High-Throughput Applications. *Analytical chemistry*, 92(6), 4518.

Zaytseva OO, et al. (2020) Fc-Linked IgG N-Glycosylation in Fc $\gamma$ R Knock-Out Mice. *Frontiers in cell and developmental biology*, 8, 67.