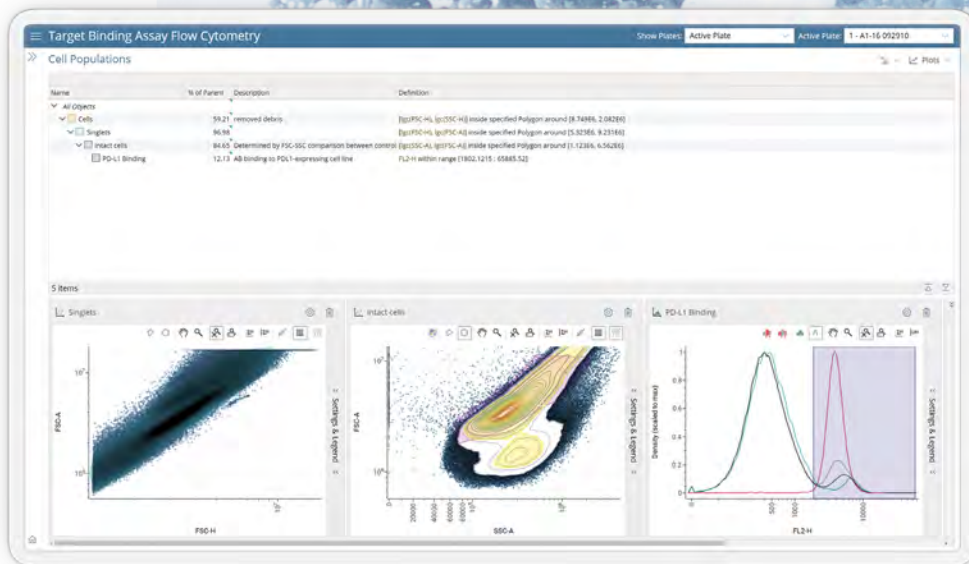
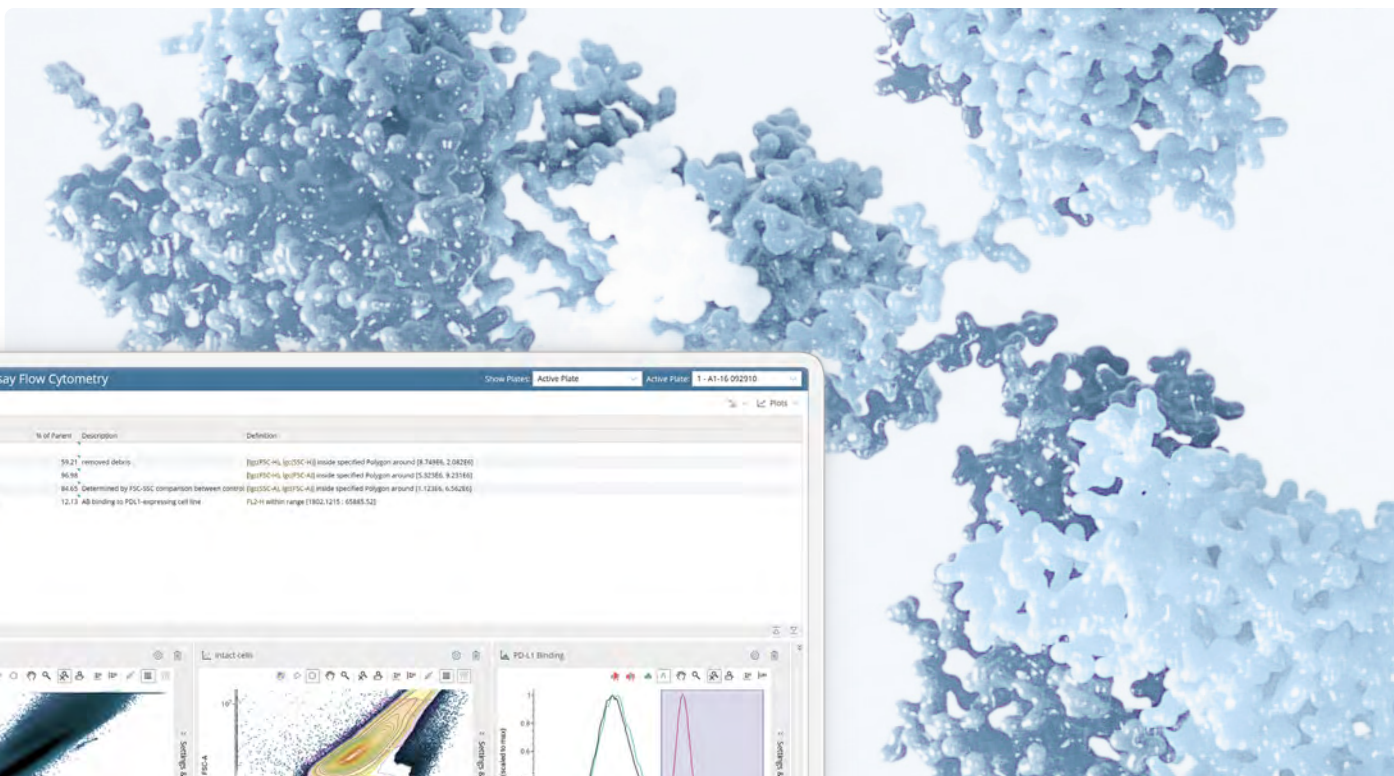


# A Single Solution for Biotherapeutics Assay Analysis.



Discovering and developing an exciting new biotherapeutic—like a multi-specific antibody or an RNA therapy—is a complex process. A range of biological assays inform the selection, design, optimization, and characterization of a panel or series of lead molecules.

Genedata Screener® simplifies assay analysis and the use of assay information, regardless of modality, by automating analysis and bringing together assay results and metadata. Covering every step of the data analysis workflow from raw data capture through hit selection, it eliminates complicated, manual procedures and helps scientists and research teams work more efficiently. As a single, easy-to-manage platform built to serve scientific needs, Genedata Screener replaces fragmented toolchains and simplifies IT infrastructure.

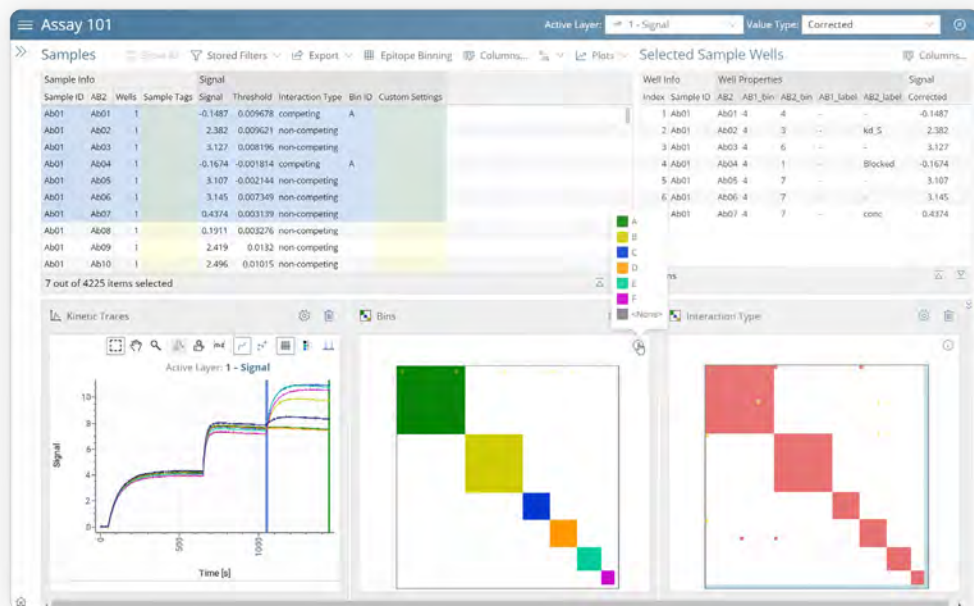
## Streamlining Analysis Across the Antibody Discovery Workflow

Genedata Screener streamlines the analysis of assays from each stage of antibody R&D, including screening, engineering, expression, and characterization. Use it to assess target binding by ELISA and flow cytometry, measure binding affinity by BLI or SPR, perform epitope binning, quantify expression yield or purity, and test function in cellular assays. No matter the application, it has purpose-built solutions for analyses required across the antibody discovery workflow: save and reapply gating settings for standard flow cytometry experiments, visualize raw sensorgrams and fits alongside automatically-calculated KDs, or automatically assign epitope binds and interactively adjust as needed. Moreover, use Genedata Screener for cross-assay comparisons and to rapidly rank hits for the next iteration of engineering and optimization.



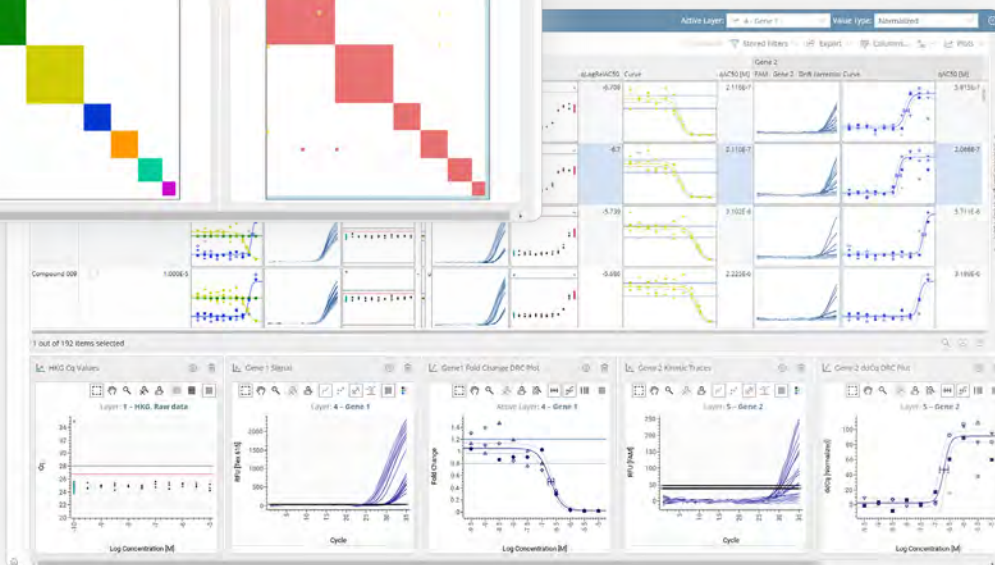
### CHECK IT OUT.

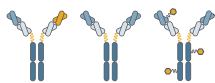
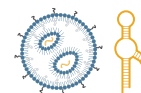
Genedata Screener can be used across the entire antibody discovery workflow.



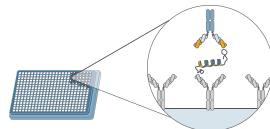
**Above:** Automated epitope binning with flexible bin reassignment. View raw sensorgram traces alongside final results, for interactive QC.

**Below:** Results of a qPCR screen, analyzed automatically in Genedata Screener. Visual overview shows expression profiles across all molecules, including amplification curves, Cq values, and fitted dose-response curves.



Antibody  
TherapyRNA Vaccines  
& Therapy

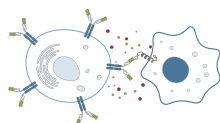
ELISA or flow  
cytometry-based  
target binding



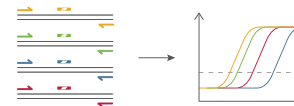
BLI or SPR-based affinity  
measurement  
and epitope binning



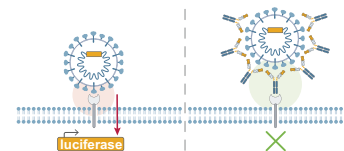
Cell-based functional assays  
(T-cell killing, ADCC, etc...)



Multiplexed  
qPCR



Viral  
neutralization  
assays



LNP  
encapsulation  
assays



## Scaling Up Analysis for RNA Vaccines and Therapies

Discovery of RNA drugs—ranging from mRNA vaccines to antisense oligonucleotide therapies—involves assays for both on and off-target gene expression as well as biochemical and cellular functional assays. Whether during target identification, optimization of oligos, target confirmation, or formulation screening, Genedata Screener can help you scale up your assay analysis. For RNA-targeted drug discovery, take advantage of built-in methods for normalization and quality control of multiplexed qPCR screens, or compare results of orthogonal assays such as ELISA-based protein quantification or functional in vitro assays. For mRNA vaccine development, rapidly analyze antibody titer, viral neutralization, and LNP encapsulation, using automated dose-response curve fitting and summary views of plate heatmaps and fit results.



### LEARN MORE.

Evotec automated analysis of qPCR assays for screening RNA therapies.

## Integration Across Instruments and Workflows

Through open interfaces and vendor-agnostic integrations, Genedata Screener directly imports raw data from a wide range of instruments. This puts all your data in one place—not scattered across various machines and instrument software—and harmonizes your analysis. Moreover, drill down into your results using interactive visualizations and trace back processing all the way to the original raw data.

Combine the power of Genedata Screener with workflow management systems for molecular design and tracking of project history, such as Genedata Biologics. Every organization has a unique workflow, and our team of scientific and software experts will work closely with you to develop a tailored integration to your system of choice.



### READ MORE.

Genmab streamlined their protein production analytical workflows by integrating Genedata Screener and Genedata Biologics.

## Automating for High-Quality Results: FAIR Data Done Right

Automation increases efficiency, but it also does much more: automating data capture ensures its fidelity, while automation of data analysis using built-in best practices ensures consistent, quality results. To this end, Genedata Screener features autonomous data loading, as well as intelligent methods for analysis of simple or complex data—including automated fit model selection, outlier detection, pattern correction, and QC rules.



### LEARN MORE.

Learn more about data workflow automation with Genedata Screener.

# Start Seeing Results. Accelerate Biotherapeutics R&D.



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Genedata Screener® is part of the Genedata portfolio of advanced software solutions, which digitalize and automate data-rich and complex biopharma R&D processes. From early discovery all the way to the clinic, Genedata solutions maximize the ROI in R&D expenditure.

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