



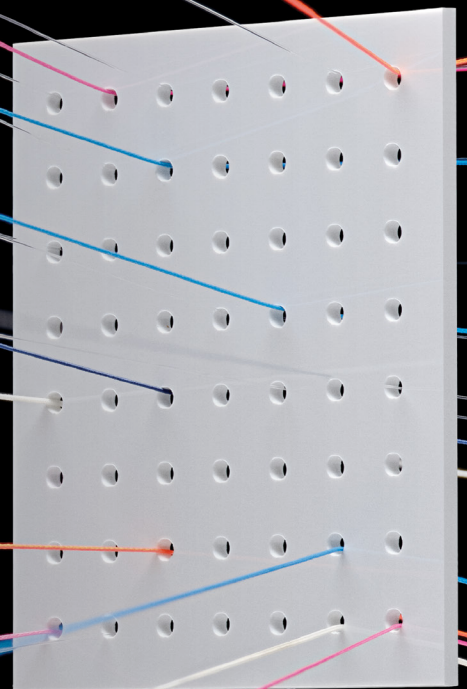
Immune biomarker profiling with absolute confidence

Gain a comprehensive view of the immune system with our carefully designed panels, quantifying up to 89 proteins from just 2 μ L of sample.

Watch on-demand webinar

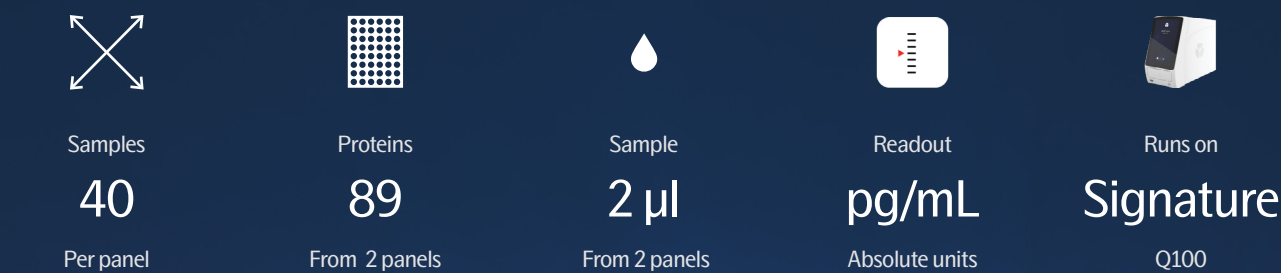
*Immune biomarker profiling
with absolute confidence.*

[Register here](#)



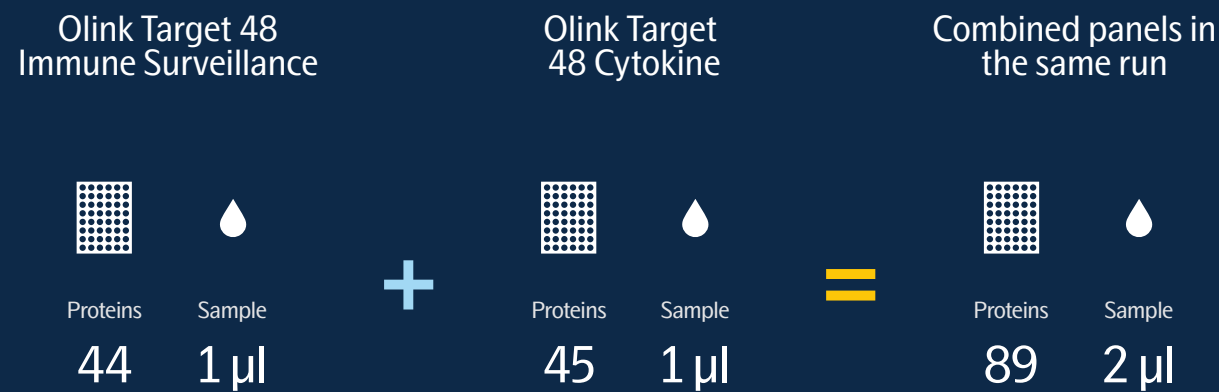
Targeted immune discovery

Olink® Target 48 Cytokine and Olink® Target 48 Immune Surveillance are two carefully designed, thoroughly validated panels, each containing up to 45 immune-related proteins and requiring just 1 µL of sample. These two panels can be combined and processed simultaneously for a more comprehensive analysis of immune mediators.



Deeper immunological insights

Combining Olink Target 48 Cytokine and Olink Target 48 Immune Surveillance panels enables detection of biomarkers covering key immunological processes, making it an ideal tool for identifying robust protein biomarker signatures across major therapeutic areas.



Proximity Extension Assay (PEA)

The exceptional performance of this panel is based on the PEA technology. The dual antibody recognition assay format guarantees outstanding specificity, while PCR amplification readout provides high sensitivity. Supported by an extensive publication record, rigorous validation, and a comprehensive quality control system, we ensure data you can trust.

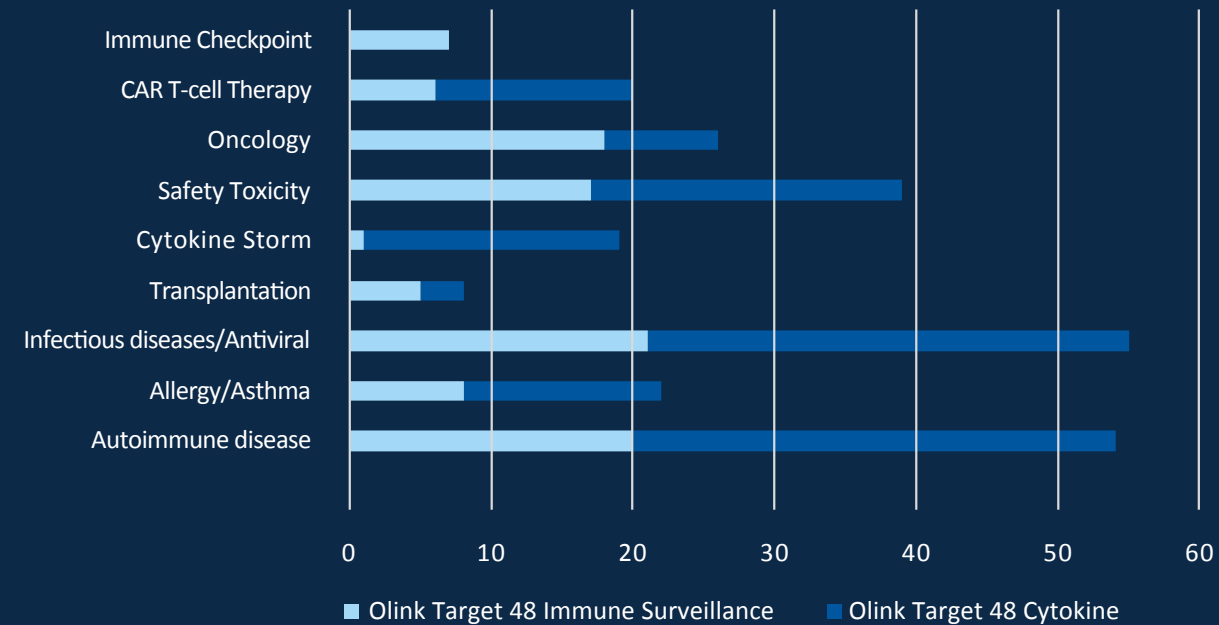
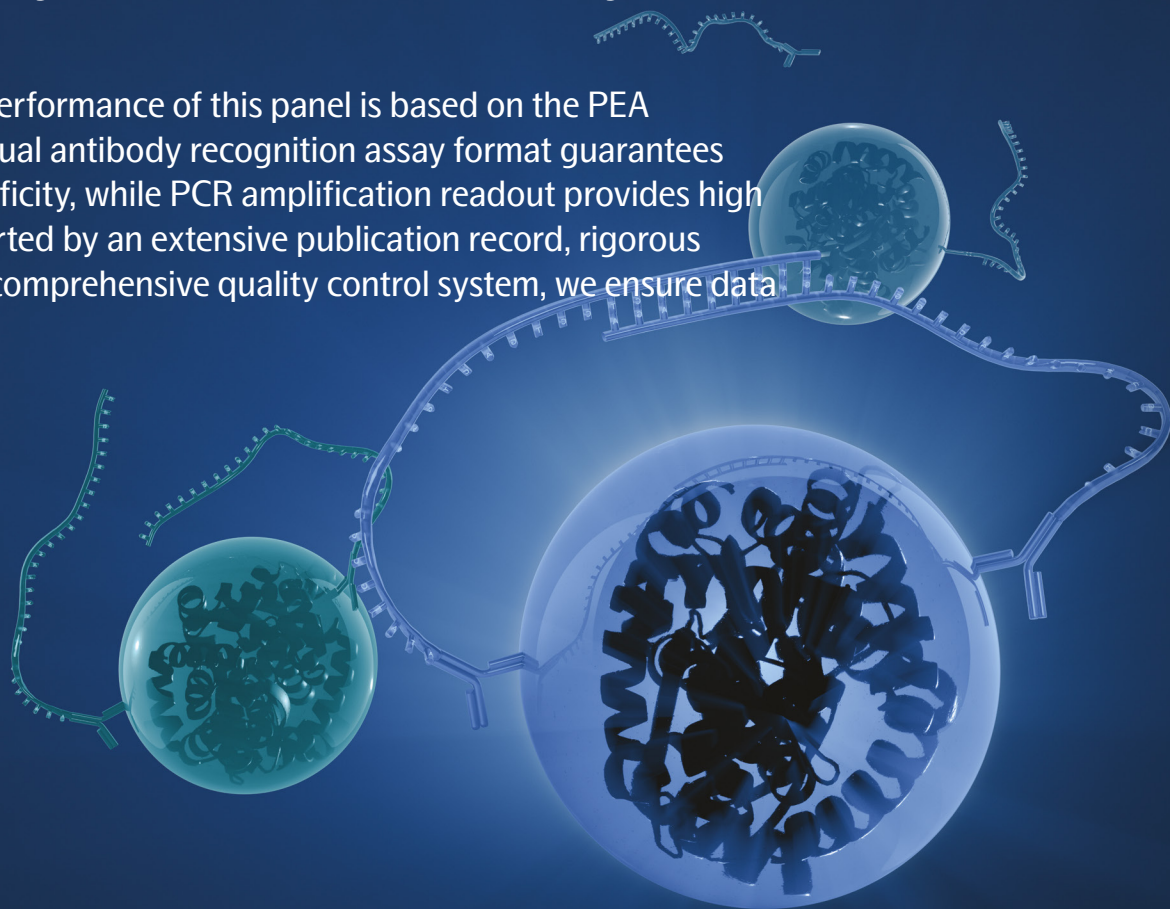


Figure 1. The number of proteins relevant to the listed therapeutic areas is displayed. Note that a protein can be relevant to multiple therapeutic areas.

[Download assay lists](#)

[Download validation data](#)

Downscaling to tailored panels with Olink® Flex

Once you have identified an informative biomarker signature, proceed by designing a sub-panel containing only your proteins of interest. These fully customizable panels deliver robust performance, with outstanding specificity, sensitivity, and dynamic range.

Mix & Match

From a library of ~200 protein biomarker assays.

5-30

assays in single panel with 99% combinability.

pg/mL

Read-out in both absolute and relative quantification.

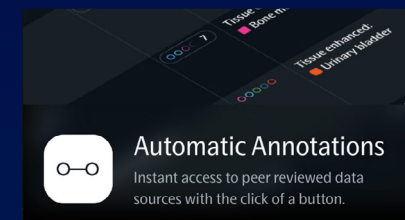
Validation data

Available for each individual assay.

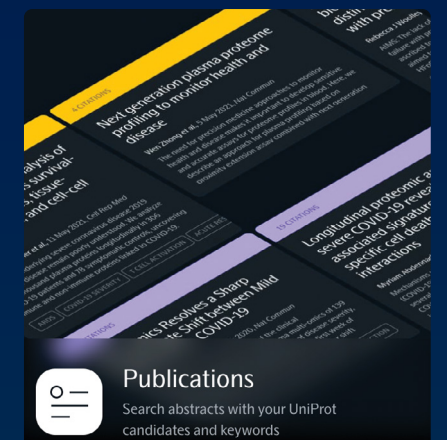
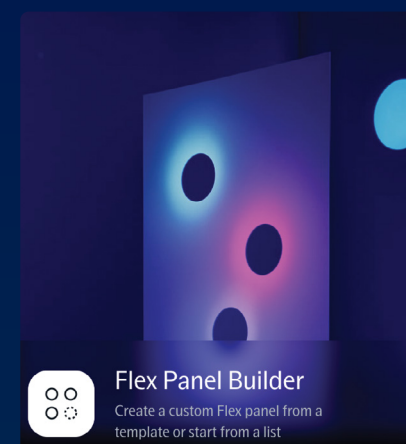
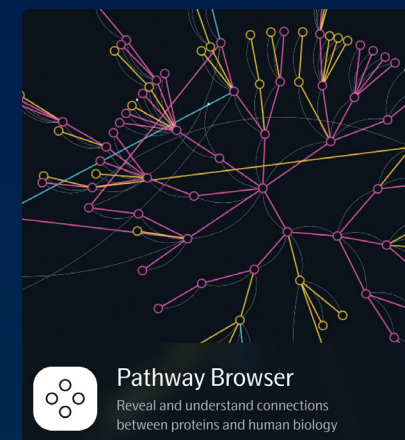
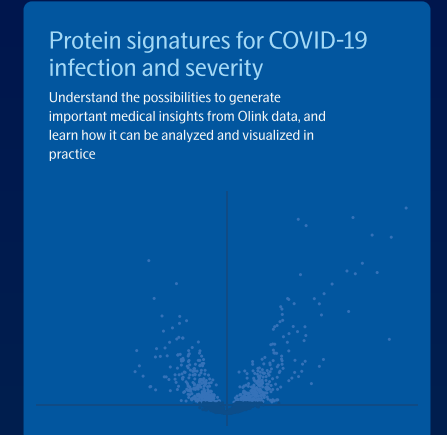
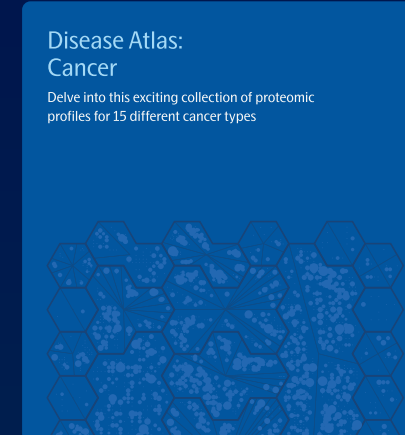
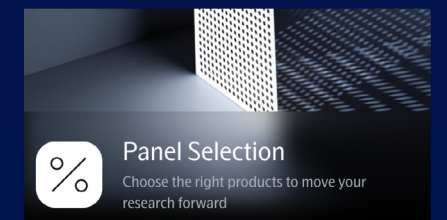
Olink Flex enables customization of 5-30 proteins into one biomarker panel. Mix and match from ~200 thoroughly pre-validated, immune-related protein biomarkers with 99% combinability, and be confident in the performance of your panel.

All your proteins and panels in one place with Olink® Insight

Design your panel with the Flex Panel Builder in Olink Insight. See data in new ways, collaborate with peers, and access exclusive data sets. Gain additional insights by browsing pathways and find unique protein annotation – from tissue specificity and biological processes to disease risk associations. It's free! Sign up insight.olink.com

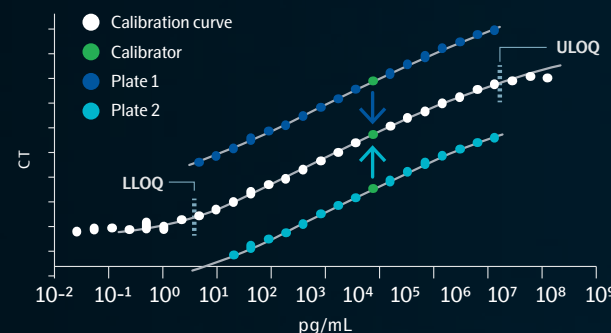
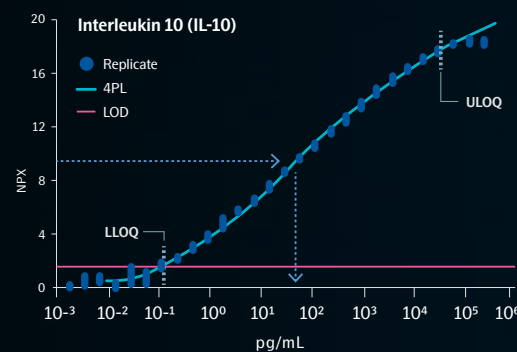


Normal ranges for proteins in Olink Explore 3072
Explore the variability of close to 3,000 human protein assays in the 'normal' adult population



Absolute quantification with ultimate precision

Olink's novel method of absolute quantification relies on high-resolution pre-established calibration curves for each analyte during product development. For each run, include a single calibrator in triplicates to adjust the pre-established calibration curve.



An example of a standard curve experimentally generated for each assay during panel development.

A single calibrator in triplicate is run on each sample plate and the signal is used to adjust the pre-generated curve.

Benefits of Olinks absolute quantification method:

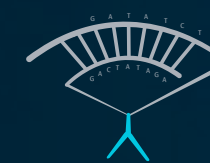
- More precise quantification with higher resolution calibrator curves (compared to standard 6-8 point).
- Reduced run-to-run variation by avoiding operator dependent reconstitution and pipetting.
- Increased throughput with more wells left for samples.

Unmatched confidence with unique quality control system

Incubation control



Extension control



Detection control



Olink assays incorporate rigorous quality control for each individual sample, designed to monitor the three main steps of the Proximity Extension Assay protocol. Controls are added to each well, allowing for:

- Normalization for technical variations.
- Identification of technical errors, avoiding usage of affected runs.
- Identification of outliers improving your data downstream analysis.
- Singlicate measurement with confidence.

Easy-to-use benchtop system

Simplify your workflow using the Olink® Signature Q100 benchtop system.

- No washing steps or dilution series.
- Minimal maintenance.
- QC and normalization analysis with the NPX Signature software.





Learn more at olink.com/target48human

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Olink products and assay methods are covered by several patents and patent applications <https://www.olink.com/patents/>.

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