



# Olink<sup>®</sup> Reveal Protein Biomarker Discovery



Novogene, a certified Olink<sup>®</sup> Reveal provider, integrates Olink's PEA technology with NGS for precise, high-throughput protein quantification. Empower your proteomics research with unmatched accuracy and efficiency.

## Olink<sup>®</sup> Reveal offers cost-effective and scalable solution featuring:

- Broad proteome coverage: 100% top-level pathways, and 64% of all pathways in reactome.  
High Sensitivity as low as fg/ml. Intra-plate CVs: 8.1% Inter-plate CVs: 4.8%
- >1,000 proteins, specifically chosen for detectability and relevance to inflammation and immune response, to unlock deep insights into disease biology.

## Our end-to-end service includes:

Expert library preparation

High-quality sequencing

Comprehensive data analysis

## Our Key Features and Advantages

### Reliable Results



#### Certified by Olink<sup>®</sup> for Quality You Can Trust.

As an Olink<sup>®</sup> Certified Service Provider, we adhere to rigorous quality assurance protocols to ensure data integrity and consistency.

### Fast Service



#### Standard turnaround time: 3 weeks.

As little as 3 weeks T.A.T for samples submitted in quantities of 86 or multiples thereof.

### Proven Expertise



#### Extensive project experience in Olink<sup>®</sup> platforms.

We have supported complex study designs across a wide range of sample types: Plasma, Serum, BAL fluid, Cell/tissue lysates, and more.

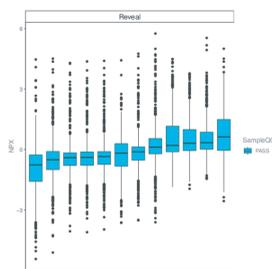
## Sample Requirements

Sample Type	Sample Amount	Storage/ Transport Condition	Others
Serum/Plasma	50µL or more in 1.5mL tubes	Please include sufficient amount of dry ice and send by frozen delivery, to avoid sample thawing during shipping.	Store Sample at -80°C immediately after extraction. Hemolysis may affect analysis results. Avoid freeze-thaw cycles.
Other Sample Matrix	Cerebrospinal Fluid (CSF), Cell/Tissue Lysates, and more (Contact us for more information)		

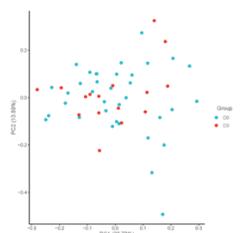
## Analysis Content

Standard Analysis	Software
<b>Data Normalization</b> · Box plot of NPX distribution	NPX™ Map CLI OlinkAnalyze
<b>Protein Expression Level Analysis</b> · Principal component analysis among groups · Clustering heatmap for all samples.	OlinkAnalyze
<b>Differential Protein Expression Analysis</b> · Statistics analysis of differentially expressed proteins · Cluster analysis of differentially expressed proteins	OlinkAnalyze R package (ggplot)
<b>Functional Analysis</b> · GO/KEGG/Reactome enrichment analysis · Protein-protein interaction network analysis	ClusterProfiler Custom script

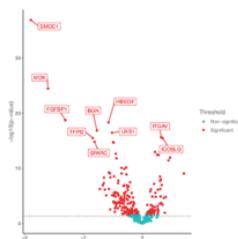
## Demo Analysis Results



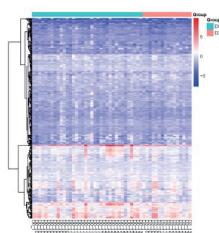
QC Box Plot



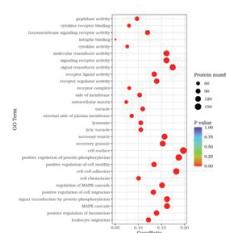
Principal Component Analysis (PCA) plot



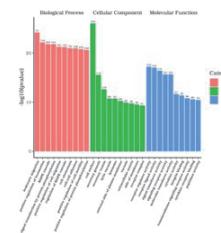
Differential Volcano Plot



Differential Expression Protein Clustering Heatmap



Go/KEGG/Reactome Enrichment Analysis Scatter Plot



Go/KEGG/Reactome Enrichment Analysis Histogram



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### Novogene Corporation Inc.

2921 Stockton Blvd. Suite 1810, Sacramento CA 95817

916-252-0068

inquiry@novogeneusa.com

www.novogene.com

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