



engine Protein Arrays

Discover Novel Biomarkers

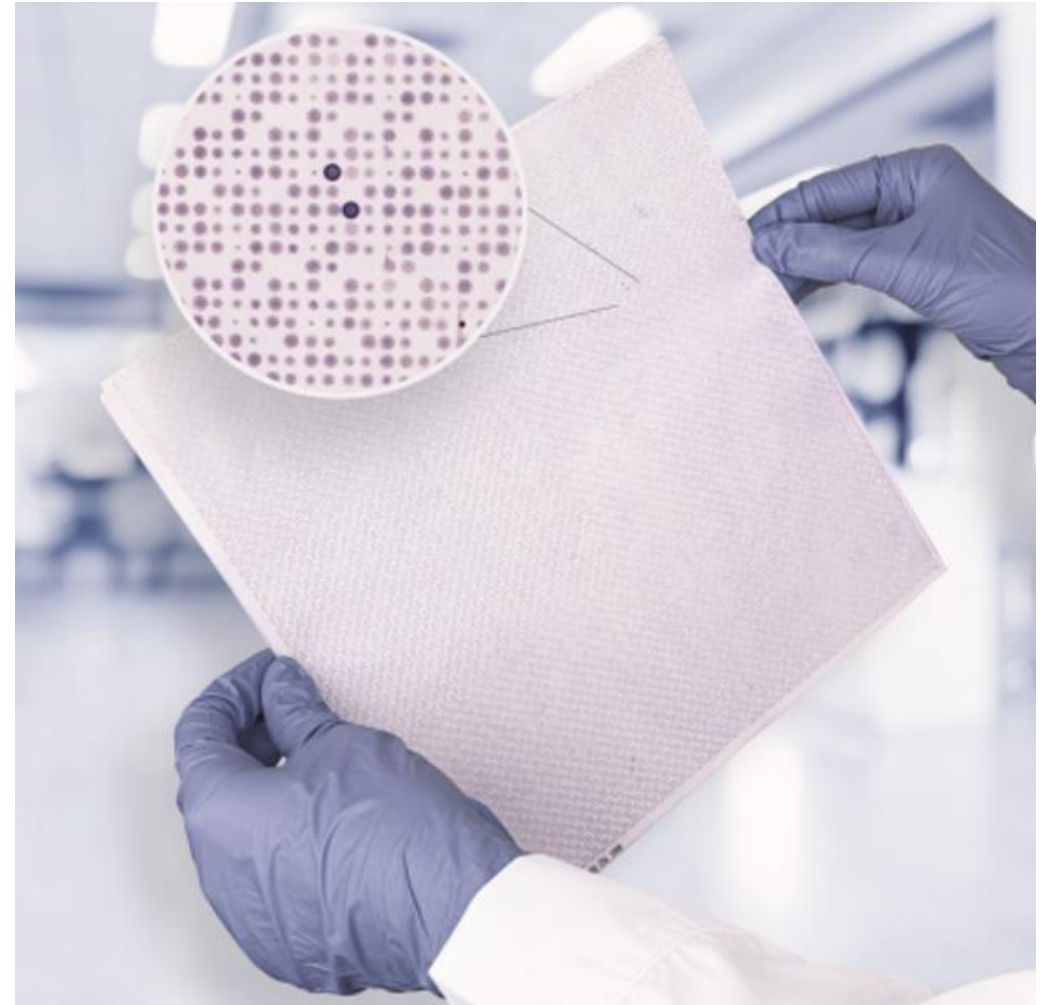
Your Question. Our Service. Your Result!

engine | the biomarker
company

Want to identify new biomarkers?

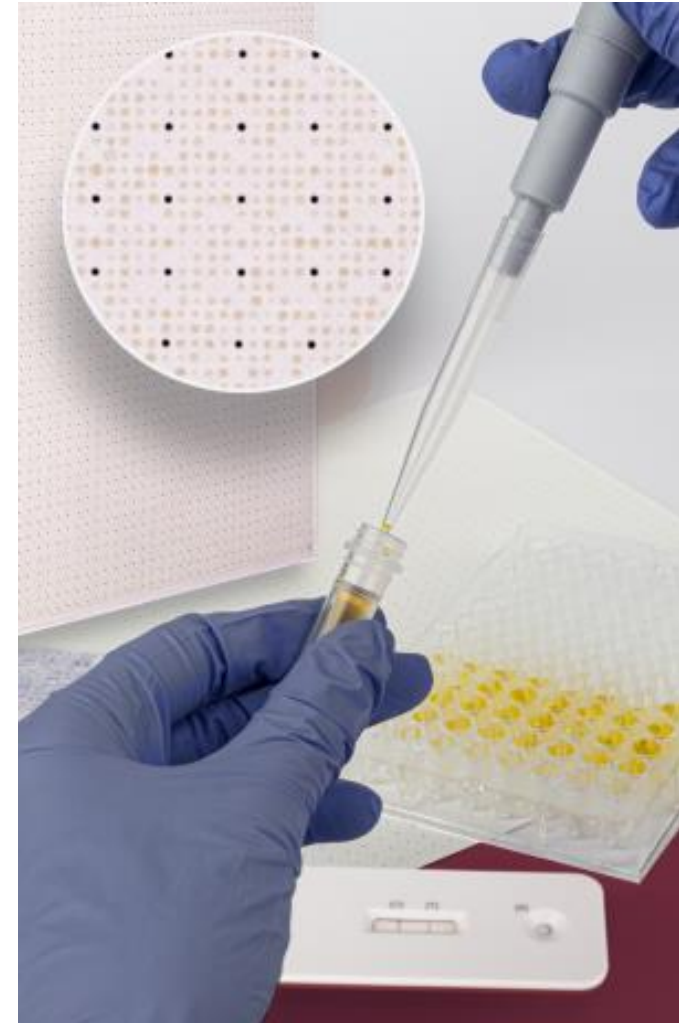
Give us your hypothesis and sample.
We analyse >15,000 antigen interactions
with our protein arrays.
You identify antigens and proceed with
biomarker validation.

We accelerate your research
from hypothesis to candidate validation!

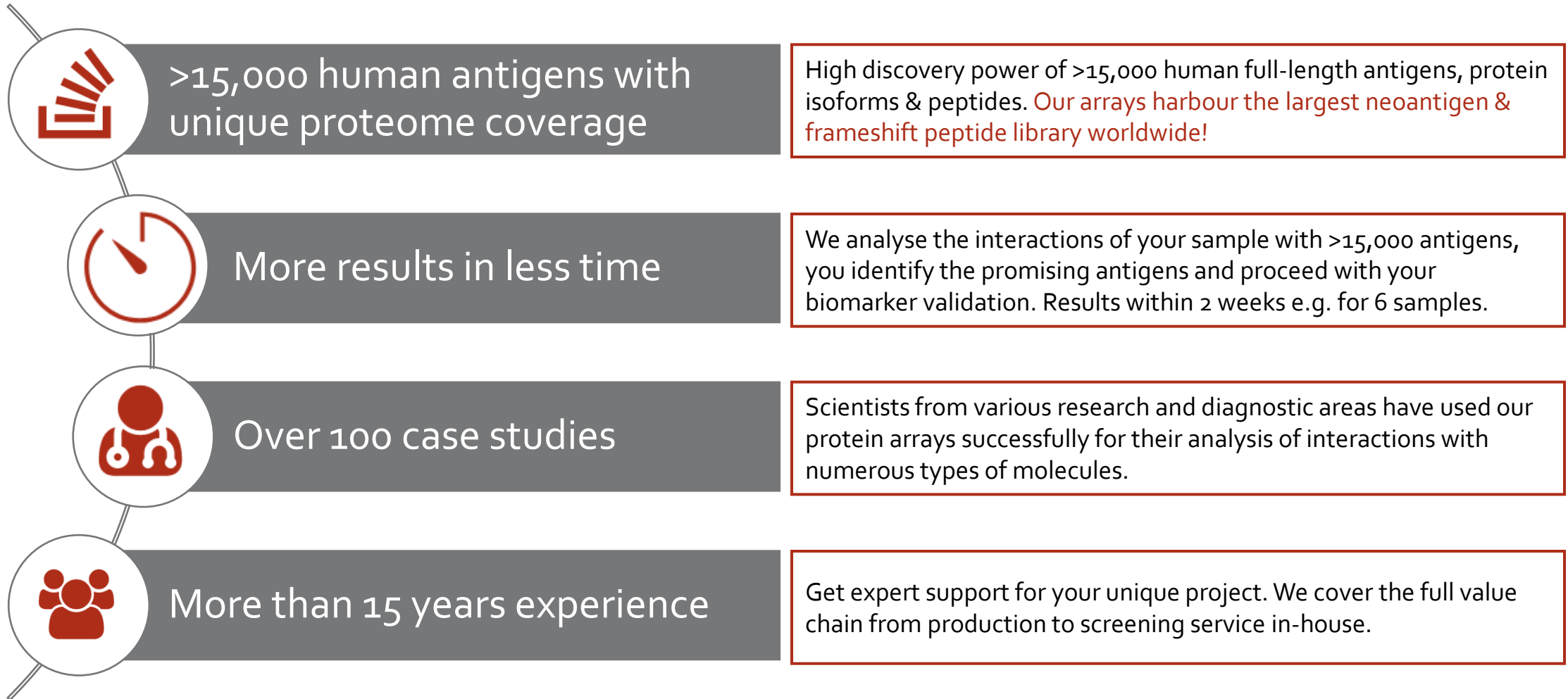


Biomarker Testing Service

Save time.
Maximize results.
Publish faster.



Increase your chance for paramount discoveries



How it works

1. Your question.

Send us your sample, we set up the analysis according to your needs.
Optional: additional antigens of your interest can be spotted on the array

2. Our service.

In-house analysis
Optional: disease-related protein modifications

3. Your result.

Receive your evaluated results: analysis of interactions, antigen identification, scientific report incl. raw data. Discuss results with our experts. Identify the recognized antigens directly!

4. Your validation.

Customized subarrays with your most promising candidates for cost-efficient candidate validation. Optionally, receive information for follow-up research or translation into a clinical or diagnostic approach.



Small sample volume
only 50 µl required



No minimum quantity
of arrays or samples

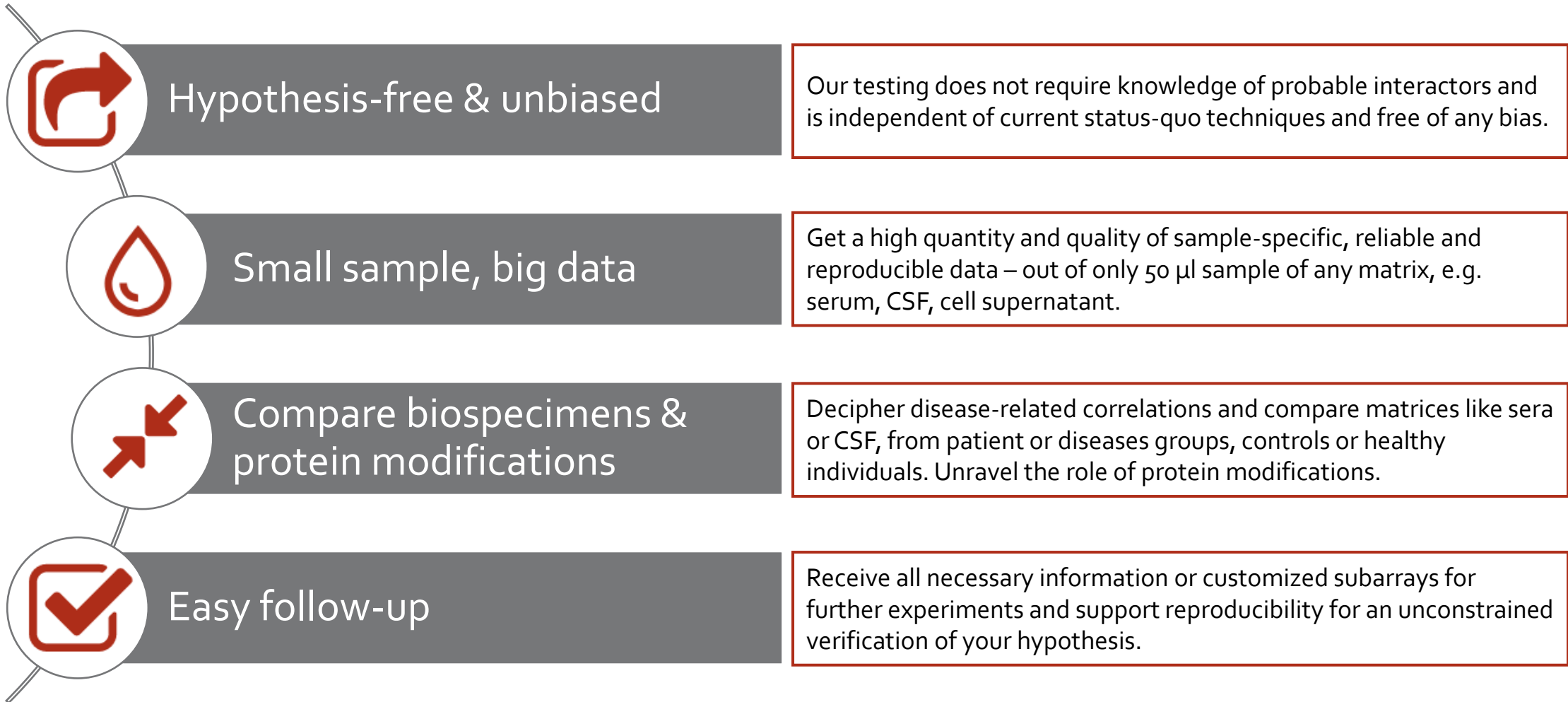


Any matrix
e.g. serum, CSF, supernatant



Only 2 weeks
e.g. for 6 samples

High discovery power



From scientists for scientists

Aligned decisions

Joint preparation and decision about the experimental setup. Address questions or discuss results with your dedicated, experienced experts. Strictly confidential - maintain control over your data, results and samples.

Get faster to grant!

We help you with your application! Fast results and the increased probability of innovative insights facilitate your grant approval.

No sample material available?

We procure any desired human biospecimen you need.



>15 years experience

we are pioneers of protein array technology



The 1st high density microarray

developed and published in 1998



In-house execution

full value chain from production to screening service covered in-house

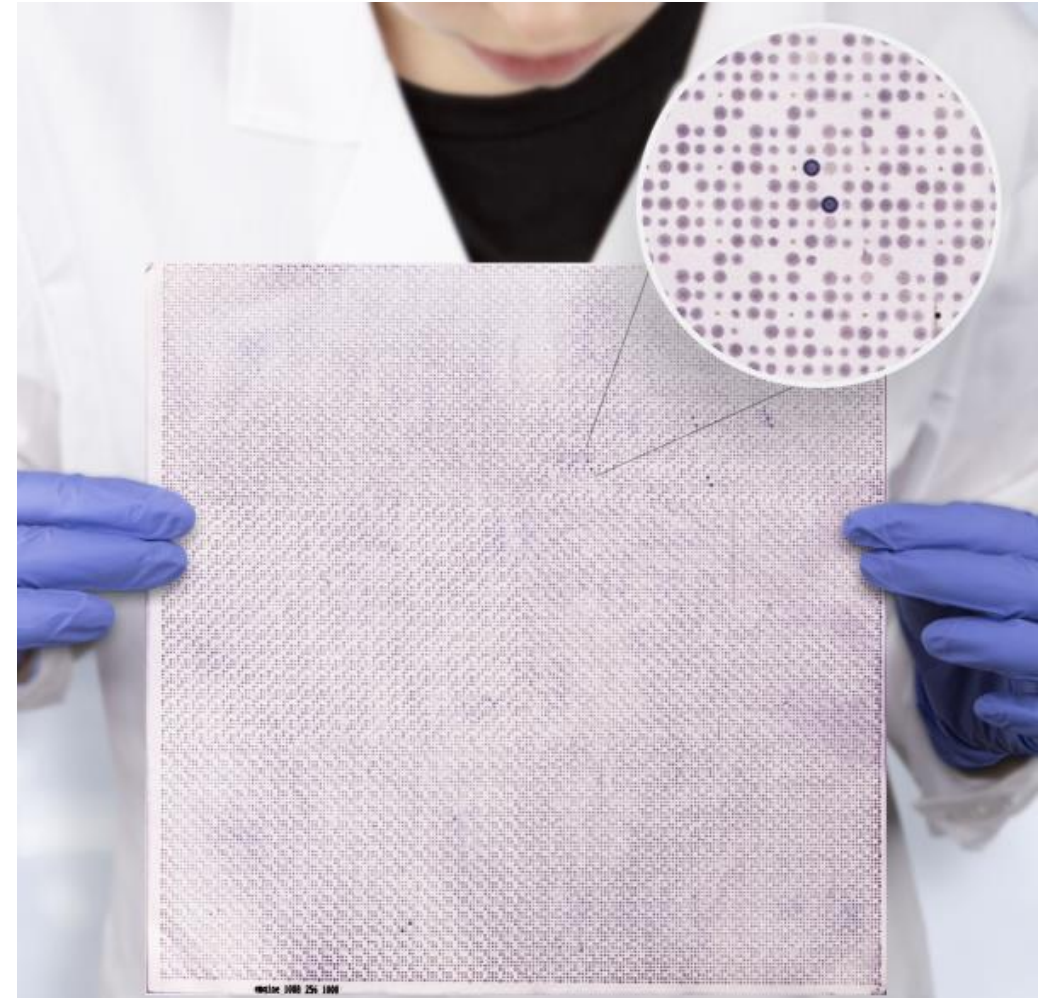


Reputable origin

based on the technique of RZPD, imaGenes, Source Biosciences

engine Protein Arrays

Your chance for breaking
discoveries



engine Protein Arrays

Unique coverage of human proteome

High content of >15,000 full-length antigens, protein isoforms & peptides, neoantigens & frameshift peptides.

Largest neoantigen library

Frameshift mutations are commonly the cause of severe pathologies. Investigate, if neoantigens and frameshift peptides are relevant in your disease of interest.

Robust & documented technology

Based on the technique of RZPD, imaGenes & Source Biosciences and with permanent evaluation of quality, published in more than 100 studies.

Enzymatic modification

With enzymatically modified protein arrays you can investigate if citrullination, phosphorylation or carbamylation are disease-associated or causative.



hEXselect Protein Array
Human fetal brain cDNA
library



UniPEX Protein Array
Human fetal brain, T-cells,
lung and colon cDNA library



Custom Protein Array
Generated from our cDNA
library.

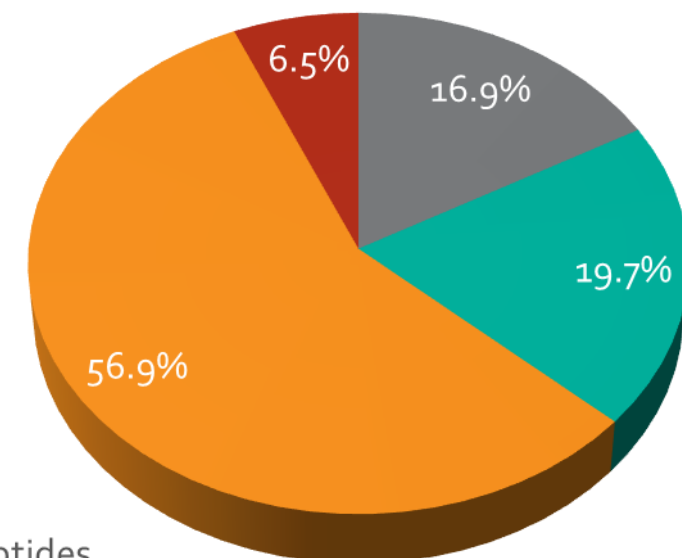
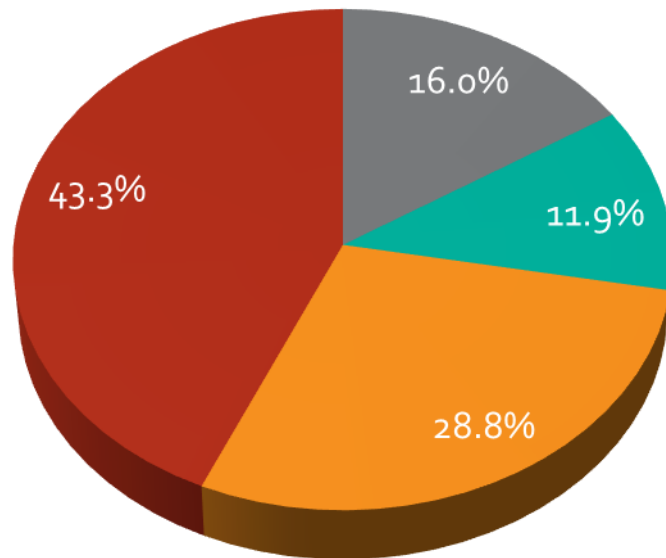
Explore the protein universe

E. coli clones spotted onto PVDF membrane (22 x 22 cm / approx. 8.7 x 8.7 inch) express recombinant human proteins with N-terminal RGS-His₆ tag.

hEXselect engine Protein Array

UniPEX engine Protein Array

Product No.	1003	1008
Source	Human fetal brain cDNA	Human fetal brain, T-cells, lung and colon cDNA
Array Content	>57,000 spots in total, >21,000 distinct human antigens, >7,000 different genes	>36,000 spots in total, >15,000 distinct human antigens, >6,000 different genes



- controls
- full-length proteins
- protein isoforms & peptides
- neoantigens & frameshift peptides

More than 100 case studies

Use our [publication database](#) and explore the potential for your research!

Diseases & pathways



- Apoptosis
- Autoimmune diseases
- Cancer
- Cardiovascular disease
- Corona virus
- Diabetes
- Food, microbiome
- Infection & vaccination
- Inflammation
- Kidney disease
- Neurobiology
- Signalling pathways

Target interactions



- Antibody profiling (e.g. IgM, IgG, IgA)
- Antibody specificity
- DNA/RNA binding
- Enzymatic modifications
- Immune response profiling
- Protein-protein interactions
- Small molecule profiling

Biomarker applications



- Companion diagnostics
- Diagnostics
- Drug discovery & therapeutics
- Monitoring
- Personalized medicine
- Risk stratification & prognostic
- Prediction & response
- Vaccination

Free Brainstorming Session

Get in contact with our experts –
we are happy to answer any question!

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