

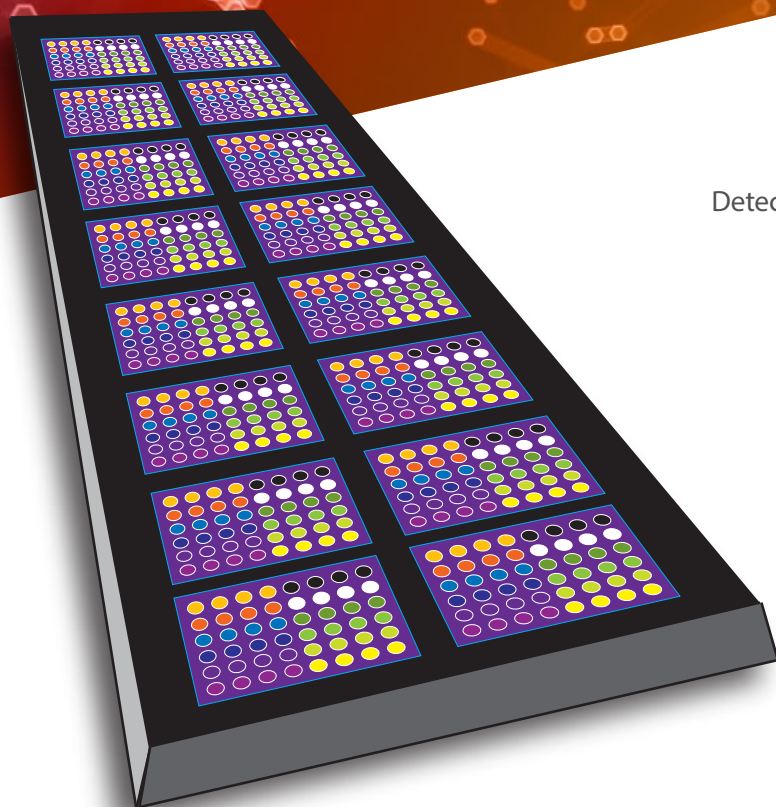
Quantibody

Multiplex ELISA Arrays on a Glass Slide

CYTOKINES / GROWTH FACTORS / RECEPTORS / PROTEASES / HORMONES / ADIPOKINES / STEM CELL FACTORS

LESS IS MORE.

Get more data with less sample.



QUANTITATIVE PROTEOMICS:

Detect up to 1200 proteins in a single experiment

QUANTIFY UP TO 40 PROTEINS

per array with 50 μ l or less

4-HOUR PROCESSING TIME

MORE COST-EFFECTIVE THAN ELISA

NO INTERFERENCE

between capture antibodies
(unlike bead-based assays)

CUSTOMIZABLE

Create a custom array from
our antibody pair library

ADAPTABLE

high-throughput
automated processing

how it works

1

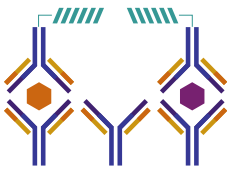
array processing



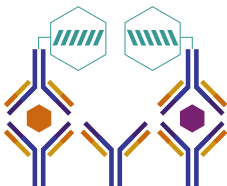
GLASS SLIDE



SAMPLE INCUBATION



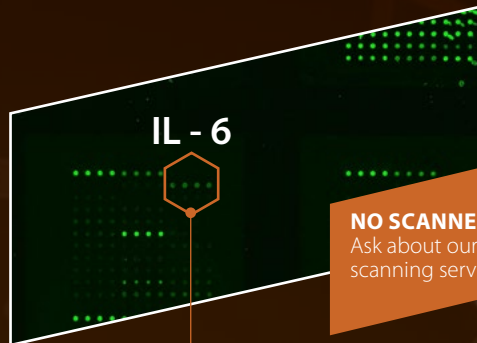
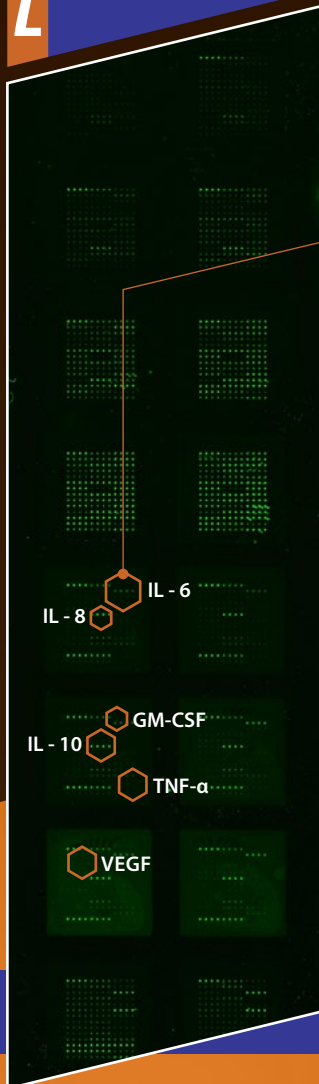
BIOTINYLATED ANTIBODY COCKTAIL INCUBATION



INCUBATION WITH LABELED-STREPTAVIDIN

2

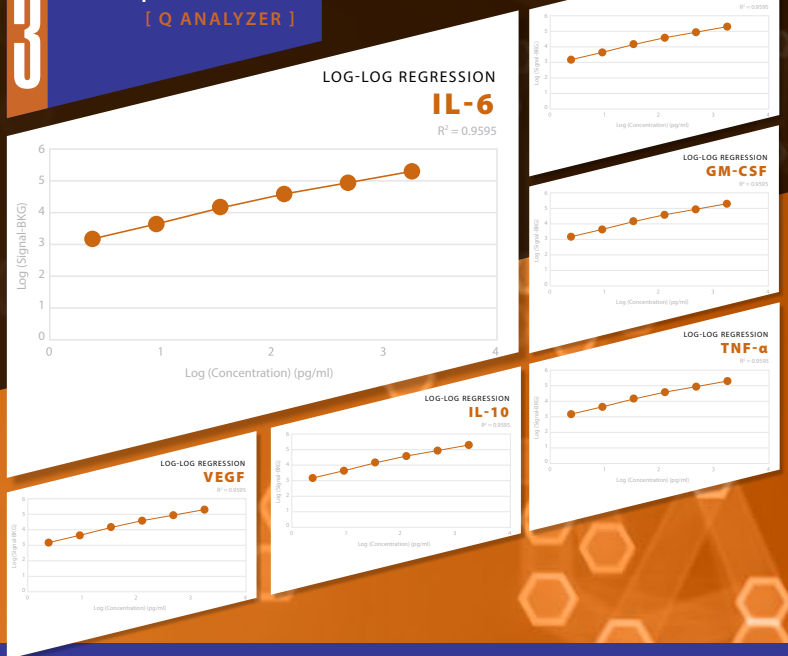
data extraction [LASER SCANNER]



NO SCANNER?
Ask about our free scanning service!

3

data computation [Q ANALYZER]



Like a traditional sandwich-based ELISA, Quantibody uses a matched pair of antibodies for target protein detection. Each 75mm x 25mm glass slide is spotted with 16 identical antibody arrays (also called “subarrays”). Within each subarray, the capture antibodies along with controls are spotted in quadruplicate. After a blocking step, samples are incubated with the arrays. Nonspecific proteins are then washed off, and the arrays are incubated with a cocktail of biotinylated detection antibodies, followed by a streptavidin-conjugated fluor. Signals are then visualized using a fluorescence laser scanner.

pre-made kits

Array panels available for a variety of species: mouse, rat, pig, rhesus monkey, cow, rabbit, dog, cat, sheep, horse, and more.



Human Cytokine Arrays

Adiponectin, BDNF, BLC, β -NGF, Eotaxin-1, Eotaxin-2, E-Selectin, GDNF, GM-CSF, GRO, IL-1 α , IL-1 β , IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-10, IL-12 p70, IL-13, IL-17, IFN γ , ICAM-1, IGFBP-1, IGFBP-2, L-Selectin, M-CSF, MIP-1 δ , MCP-1, MIP-1 α , MIP-1 β , MMP-9, MIP-3 α , MIP-3 β , PECAM-1, RANTES, TNF α , VEGF-A, VCAM-2

Human Chemokine Array 1

6Ckine, Axl, BTC, CCL28, CTACK, CXCL16, ENA-78, Eotaxin-3, GCP-2, GRO, HCC-1, HCC-4, IL-9, IL-17F, IL-18 BP α , IL-28A, IL-29, IL-31, IP-10, I-TAC, LIF, Light, Lymphotactin, MCP-2, MCP-3, MCP-4, MDC, MIF, MIP-3 α , MIP-3 β , MPIF-1, MSP α , NAP-2, Osteopontin, PARC, PF4, SDF-1 α , TARC, TECK, TSLP

Human Growth Factor Array 1

Amphiregulin, BDNF, bFGF, BMP-4, BMP-5, BMP-7, β -NGF, EGF, EGFR, EG-VEGF, FGF-4, FGF-7, GDF-15, GDNF, Growth Hormone, HB-EGF, HGF, IGFBP-1, IGFBP-2, IGFBP-3, IGFBP-4, IGFBP-6, IGF-1, Insulin, M-CSF R, NGF R, NT-3, NT-4, Osteoprotegerin, PDGF-AA, PIGF, SCF, SCF R, TGF α , TGF β 1, TGF β 3, VEGF-A, VEGFR2, VEGFR3, VEGF-D

Human IGF Signaling Array

IGF-1, IGF-2, Insulin, IGF-1R, IGF-2R, IGFBP-1, IGFBP-2, IGFBP-3, IGFBP-4, IGFBP-6

Human Inflammation Arrays

BLC, Eotaxin-1, Eotaxin-2, G-CSF, GM-CSF, I-309, ICAM-1, IFN γ , IL-1 α , IL-1 β , IL-1 RA, IL-10, IL-11, IL-12 p40, IL-12 p70, IL-13, IL-15, IL-16, IL-17, IL-2, IL-4, IL-5, IL-6, IL-6 R, IL-7, IL-8, MCP-1, M-CSF, MIG, MIP-1 α , MIP-1 β , MIP-1 δ , OSM, PDGF-BB, RANTES, SAA, STNFR1, STNFR2, TIMP-1, TIMP-2, TNF α

OVER 130 IN-STOCK
QUANTIBODY PANELS ARE
AVAILABLE. BROWSE OUR
COMPLETE SELECTION HERE:



custom arrays



Don't see a pre-made kit you need? Ask us to customize it for you! Choose from our library of 641 Human, 144 Mouse, or 67 Rat antibody pairs to create an array panel specific to your research.

Human / 640 Targets

Mouse / 144 Targets

Rat / 67 Targets

Disease-Based Arrays

Immune Response Array

CD14, CD40, CD163, CRP, E-Selectin, Fas, FasL, G-CSF, ICAM-1, IL-1 α , IL-1 β , IL-1R4, IL-2, IL-2R α , IL-4, IL-6, IL-8, IL-10, IL-12 p70, IL-13, IL-18, Lipocalin-2, MCP-1, MCP-2, MIF, MIP-1 α , MIP-1 β , OPN, PAI-1, PF4, PCT, RAGE, Resistin, TM, TNF α , TREM-1, Troponin I, uPAR, VCAM-1, VEGF

Human Dry Eye Disease Array

EGF, EGF R, Eotaxin, G-CSF, GRO, HB-EGF, ICAM-1, IFN γ , IL-1 α , IL-1 β , IL-1 RA, IL-2, IL-4, IL-5, IL-6, IL-6 R, IL-7, IL-8, IL-10, IL-11, IL-12 p40, IL-12 p70, IL-13, IL-15, IL-16, IL-17, IP-10, Lipocalin-2, MCP-1, MIG, MIP-1 α , MIP-1 β , MIP-1 γ , MMP-9, RANTES, TGF β 1, TIMP-1, TIMP-2, TNF α , VEGF

Human Gastric Cancer Biomarker Array

CA19-9, CA72-4, CEA, Pepsinogen 1, Pepsinogen 2

Human Obesity Arrays

Adiponectin, Adipsin, AgRP, ANGPTL4, BDNF, Chemerin, CRP, GH, IFN γ , IGFBP-1, IGFBP-2, IGF-I, IL-10, IL-12 p40, IL-12 p70, IL-1 β , IL-1 RA, IL-6, IL-8, Insulin, Leptin, Lipocalin-2, MSP α , OPG, PAI-1, PDGF-BB, Pepsinogen 1, Pepsinogen 2, Procalcitonin, Prolactin, RANTES, RBP4, Resistin, SAA, TGF β 1, TSP-1, TNF RI, TNF RII, TNF α , VEGF



services



QUANTITATIVE PROTEOMICS

High-density panels for high-content screening

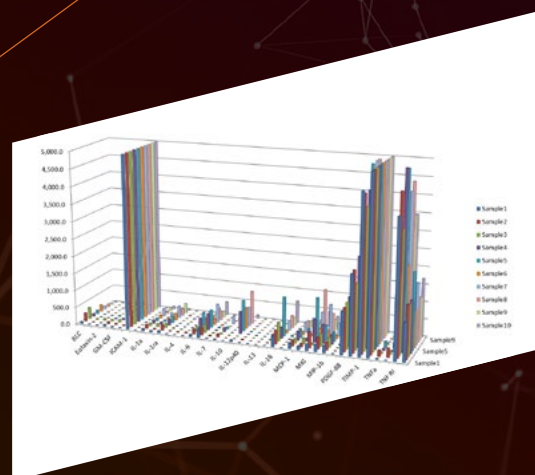
- 1000 Human Proteins (Kiloplex)
- 640 Human Proteins
- 440 Human Proteins
- 200 Human Proteins
- 200 Mouse Proteins
- 67 Rat Proteins

High-density array testing services available at a specially reduced rate. Visit WWW.RAYBIOTECH.COM/ARRAY-TESTING-SERVICE.HTML for details

TESTING SERVICE

Skip the learning curve

- Available for all array kits, including high-density panels
- GLP-compliant testing lab
- CLIA and ISO certified
- Best chance of success the 1st time - skip the learning curve
- No experience? - we can optimize assay conditions for you
- Excel and PDF data reports of analyzed data included



BIOSTATISTICS SERVICE

Want a deeper understanding of your array data?

Whether you need basic statistical differences between groups, or protein-protein interaction (PPI) networking analysis, our in-house team of biostatistics and bioinformatics experts can build a tailored computational solution for your antibody and protein array data.

Learn more here:

[HTTPS://WWW.RAYBIOTECH.COM/BIOSTATISTICS-AND-BIOINFORMATICS-SERVICES.HTML](https://www.raybiotech.com/biostatistics-and-bioinformatics-services.html)