ANTIBODY ARRAY ASSAY KIT

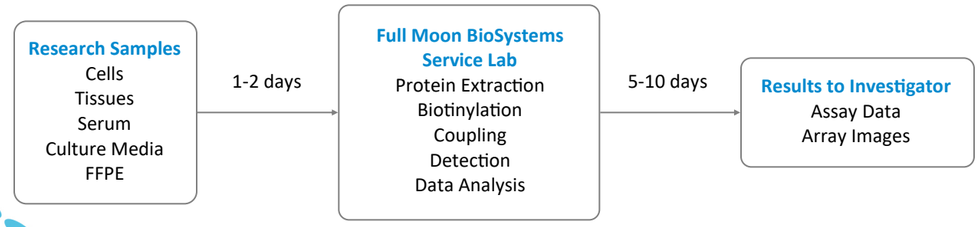
- Convenient reagent kit optimized to work with Full Moon BioSystems' antibody microarrays
- Provides major reagents required for protein extraction, labeling, coupling, and detection
- Efficient, reliable, and easy to use

Kit Components:

Biotin Reagent
Coupling Reagent
Extraction Buffer
Stop Reagent
Blocking Reagent
Detection Buffer
Labeling Buffer
Wash Buffer

COMPLETE ASSAY SERVICE

Researchers can select from a wide range of antibody microarrays to study protein changes and phosphorylation events. Send us your samples, and receive results in 5 to 10 days!



Contact Information

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FULL MOON BioSystems

ANTIBODY MICROARRAY

Protein Profiling

Biomarker Discovery

Target Validation

KEY FEATURES

- Qualitative Expression Profiling, Protein Phosphorylation Change , Expression Level Change
  - Normal vs. Diseased
  - Control vs. Treated
- Carefully selected, well-characterized antibodies with high specificity and affinity
- Featuring phospho and non-phospho antibody pairs
- Suitable for various sample types: cells, fresh/frozen/FFPE tissues, serum, or culture media
- 3-D polymer based glass substrates with low background
- Each antibody is printed with replicate spots for enhanced data reliability and consistency
- Suitable for detection on fluorescent microarray scanners compatible for 76 x 25 x 1mm slides

ARRAY TECHNOLOGY

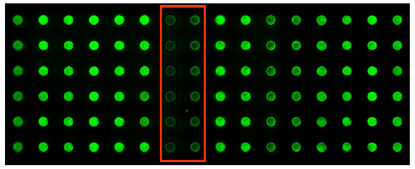
Protein Extraction from Cells or Tissues

Biotinylation of Proteins

Protein Conjugation to Antibody Array

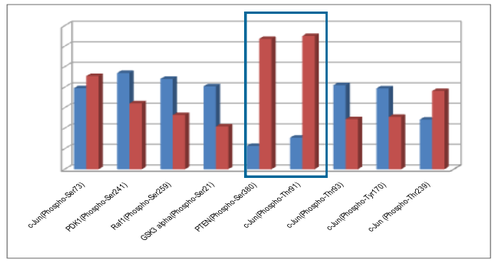
Detection by Cy3-Streptavidin

PERFORMANCE



Control Sample

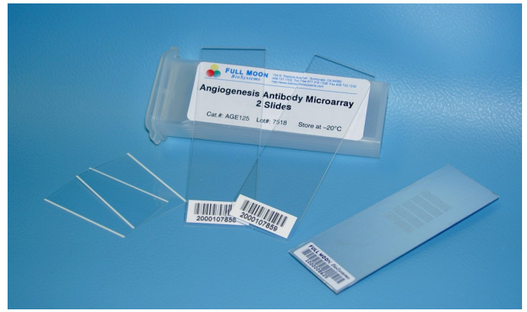
Treated Sample



AKT Phospho-Specific Antibody Array — Lysates from control and treated H522 cells were labeled with biotin and detected with Cy3-Streptavidin. For proteins PTEN(Ser380) and c-Jun(Thr91), the phosphorylation change between the control sample and treated sample was 5.59 folds and 4.23 folds respectively.

Exploratory Arrays

Catalog Number	Description	Number of Antibodies
SET100	Signaling Explorer Array	1358
PEX100	Phospho Explorer Array	1318
ASB600	Explorer Antibody Array	656



Phospho-Specific Arrays

Catalog Number	Description	Number of Antibodies
PAB216	AKT/PKB Signaling	216
PAM174	AMPK Signaling	174
PAP247	Apoptosis	247
PAC155	Cancer Apoptosis	155
PCS248	Cancer Signaling	248
PCS300	Cell Signaling	304
PCC238	Cell Cycle Control	238
PCR174	CREB Pathway	174
PCP141	Cytoskeleton	141
PEG214	EGF Pathway	214
PER239	ErbB/HER Signaling	239
PEK208	ERK Signaling	227
PGP193	GPCR Signaling	193
PIR245	IGF-1R Signaling	245

Catalog Number	Description	Number of Antibodies
PIG219	Insulin Receptor	219
PJS042	Jak/Stat Pathway	42
PJS202	Jak/Stat II Pathway	202
PMK185	MAPK Pathway	185
PMT138	mTOR Pahtway	138
PNS170	Neuroscience	167
PNK215	NF-kB Signaling	215
PFT196	p53 Signaling	196
PDG195	PDGF Pathway	195
PTC188	T-Cell Receptor	188
PTG176	TGF-beta Signaling	176
PST228	Tyrosine Phosphorylation	228
PVE185	VEGF Pathway	185
PNT227	Wnt Pathway	227

Human Pathway Arrays

Catalog Number	Description	Number of Antibodies
APP09	Apoptosis	73
SCB200	Cancer BioMarker	242
ACC058	Cell Cycle	60

Catalog Number	Description	Number of Antibodies
SCK100	Cytokine Profiling Array	310
AVK276	Kinases	276
AST160	Signal Transduction	165