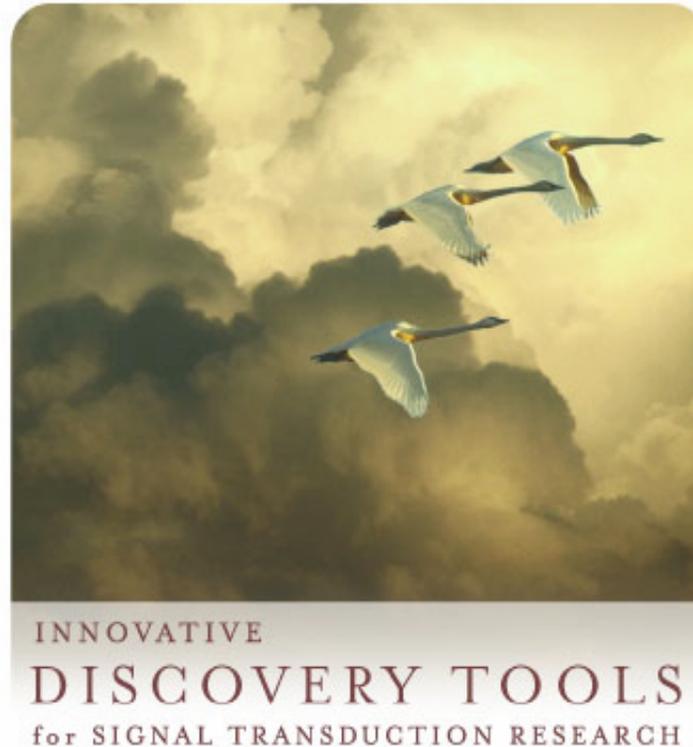


Product Pathways

- [Chromatin Regulation](#)
- [MAPK Signaling](#)
- [Apoptosis/Caspase](#)
- [Akt Signaling](#)
- [Translational Control](#)
- [PKC / Phospholipase](#)
- [Cell Cycle/Checkpoint](#)
- [Jak/Stat Pathway](#)
- [NF-kappaB Signaling](#)
- [TGF-beta/SMAD Signaling](#)
- [Neuroscience](#)
- [Tyrosine Kinase/Adaptors](#)
- [Cytoskeletal Signaling](#)
- [Glucose Metabolism](#)
- [Lymphocyte Signaling](#)
- [Nuclear Receptor](#)
- [Wnt/beta-Catenin](#)
- [Phosphatases](#)
- [Other Signaling Pathways](#)



Drug Discovery Tools

- [Screening Technologies](#)
- [Active Kinases & Kits](#)
- [PathScan ELISA](#)

Featured Technologies

- [Rabbit Monoclonals](#)
- [Motif Antibodies](#)
- [PhosphoScan Proteomics](#)
- [Flow Cytometry](#)
- [Immunohistochemistry](#)
- [siRNA](#)

Related Products

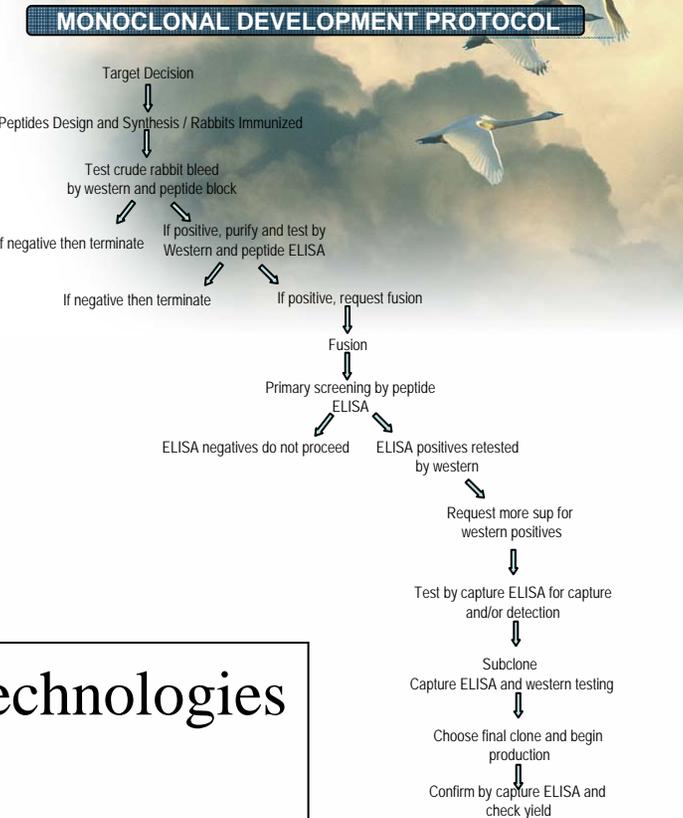
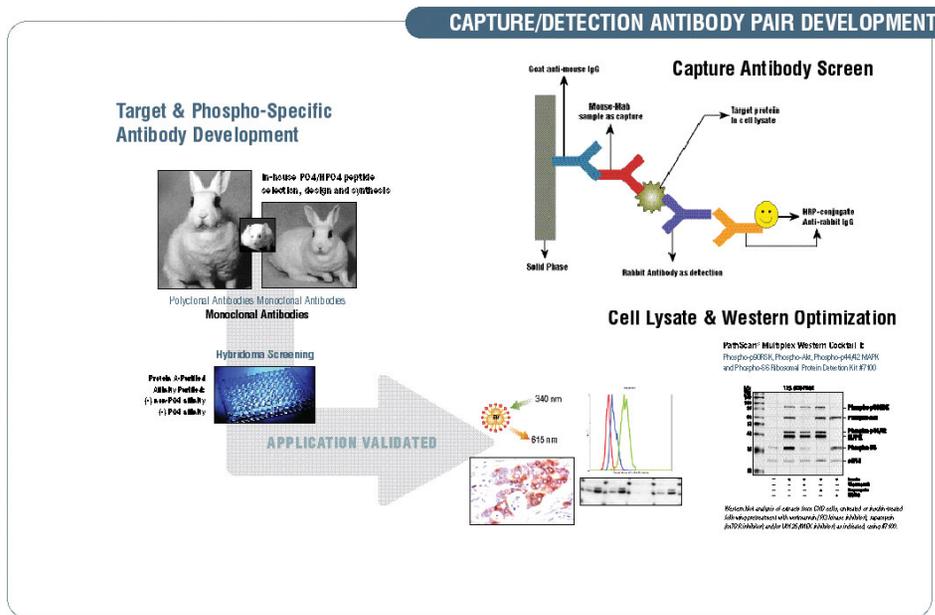
- [Tag Antibodies](#)
- [Western Detection](#)
- [Secondary Antibodies](#)
- [Buffers](#)

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- [Receive E-mail Updates](#)

- Leading Provider of Phospho-specific and Total Antibodies
- Customer Support by Scientists
- Leading Research and Bioinformatics Expertise

Development and Use of Phosphorylation-Specific Capture and Detection Antibodies



Antibody Development & Screening Technologies

- Fusion Technologies
- Screening Technologies
- Optimized Screening Systems

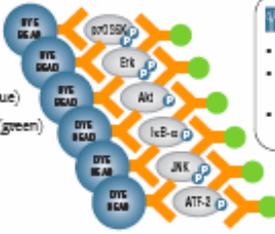
Capture / Detection Antibody Assay Formats

MULTIPLE SANDWICH ELISA FORMATS

Bio-Plex® Bead Suspension Array System: CST Development Partner

Two-color flow cytometry based sandwich immunoassay system

ID unique bead population (blue)
Quantity protein population (green)



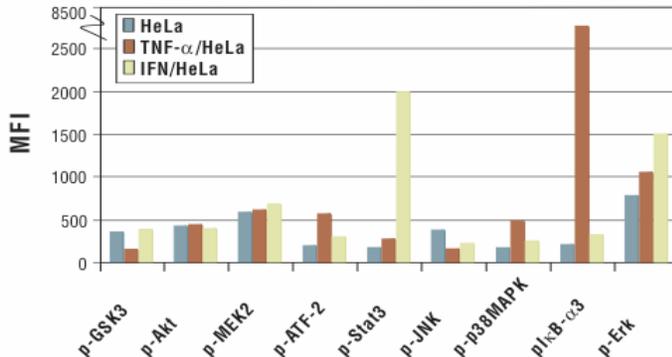
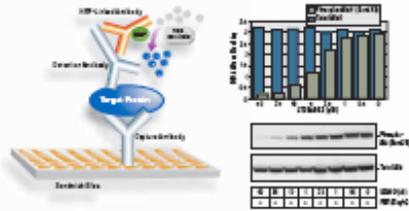
Cell Signaling TECHNOLOGY

- Cell signaling biology
- Capture/Detection Antibody Pair
- Singleplex pair validation

BIO-RAD

- Assay Multiplexing
- Software solutions
- Q1F the shelf production

PathScan® ELISA Kits



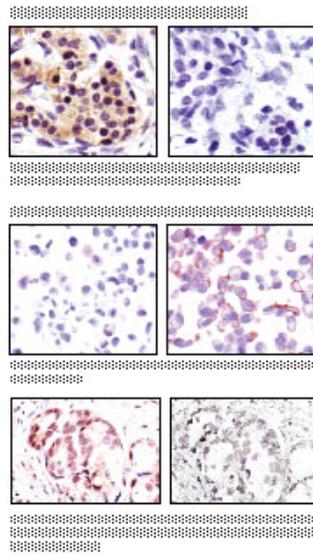
Nine-plex Bio-Plex phosphoprotein assay (data courtesy of Bio-Rad)

Product #	Product Description
7170	PathScan® Akt1 Sandwich ELISA Kit
7160	PathScan® Phospho-Akt1 (Ser473) Sandwich ELISA Kit
7185	PathScan® Phospho-ATF-2 (Thr71) Sandwich ELISA Kit
7190	PathScan® Cleaved Caspase-3 (Asp175) Sandwich ELISA Kit
7260	PathScan® Phospho-c-Jun (Ser63) Sandwich ELISA Kit
7145	PathScan® Phospho-c-Jun (Ser63) Sandwich ELISA Kit II
7270	PathScan® Total c-Jun Sandwich ELISA Kit
7150	PathScan® Total c-Jun Sandwich ELISA Kit II
7233	PathScan® Acetylated Histone H2A Sandwich ELISA
7232	PathScan® Acetylated Histone H3 Sandwich ELISA Kit
7155	PathScan® Phospho-Histone H3 (Ser10) Sandwich ELISA Kit
7238	PathScan® Acetylated Histone H4 Sandwich ELISA
7290	PathScan® Phospho-HSP27 (Ser78) Sandwich ELISA Kit
7295	PathScan® Total HSP27 Sandwich ELISA Kit
7355	PathScan® Phospho-IkappaB-alpha (Ser32) Sandwich ELISA Kit
7360	PathScan® Total IkappaB-alpha Sandwich ELISA Kit
7175	PathScan® Phospho-MEK1 (Ser217/221) Sandwich ELISA Kit
7165	PathScan® Total MEK1 Sandwich ELISA Kit
7173	PathScan® Phospho-NF-kB p65 (Ser536) Sandwich ELISA Kit
7174	PathScan® Total NF-kB p65 Sandwich ELISA Kit
7140	PathScan® Phospho-p38 MAPK alpha (Thr180/Tyr182) Sandwich ELISA Kit
7315	PathScan® Phospho-p44/42 MAPK (T202/Y204) Sandwich ELISA Kit
7236	PathScan® Acetylated p53 Sandwich ELISA Kit
7365	PathScan® Phospho-p53 (Ser15) Sandwich ELISA Kit
7370	PathScan® Total p53 Sandwich ELISA Kit
7345	PathScan® Phospho-PDGF Receptor beta (Tyr751) Sandwich ELISA Kit
7205	PathScan® Phospho-S6 Ribosomal Protein (Ser235/236) Sandwich ELISA Kit
7225	PathScan® Total S6 Ribosomal Protein Sandwich ELISA Kit
7325	PathScan® Phospho-SAPK/JNK (Thr183/Tyr185) Sandwich ELISA Kit
7330	PathScan® Total SAPK/JNK Sandwich ELISA Kit
7300	PathScan® Phospho-Stat3 (Tyr705) Sandwich ELISA Kit
7335	PathScan® Phospho-VEGFR-2 (Tyr1175) Sandwich ELISA Kit
7340	PathScan® Total VEGFR-2 Sandwich ELISA Kit
7171	PathScan® Phospho-Zap-70 (Tyr319) Sandwich ELISA Kit
7172	PathScan® Total Zap-70 Sandwich ELISA Kit

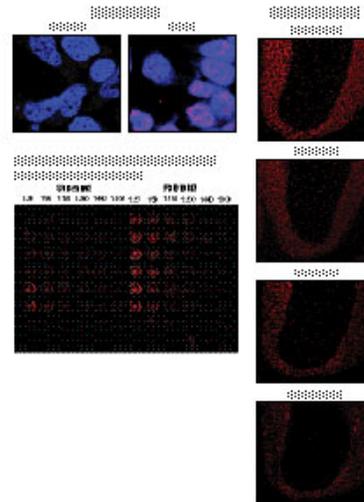
CST Pathscan ELISA Kits

VALIDATED FOR MULTIPLE APPLICATIONS

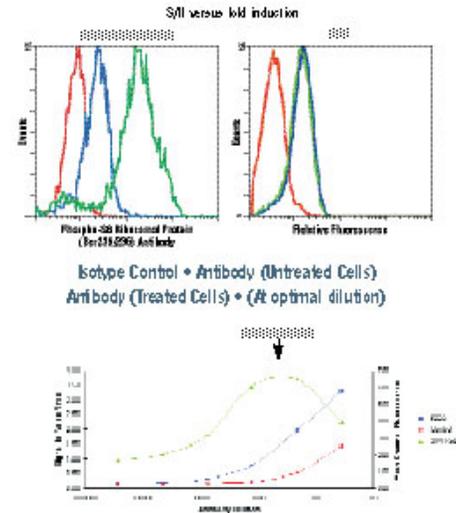
Antibody IHC Validation



Antibody IF/ICC Validation



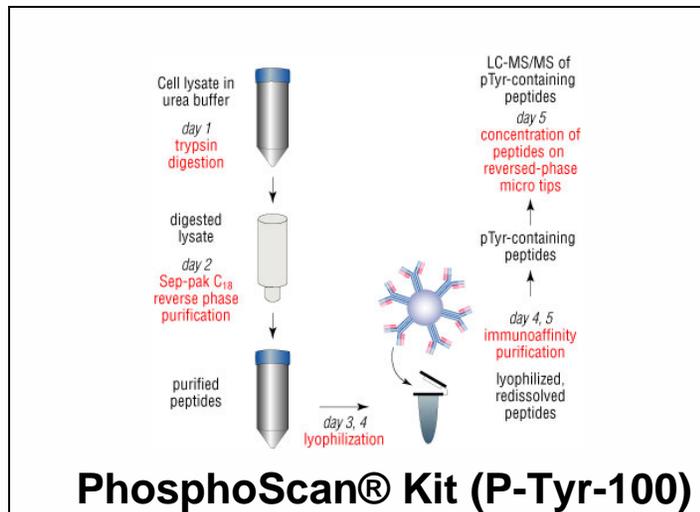
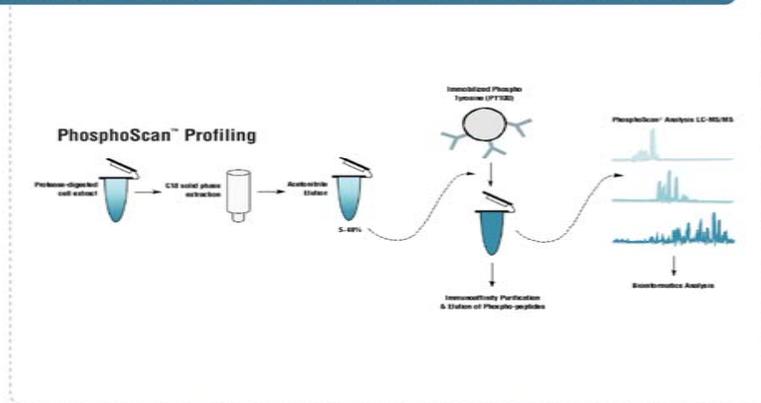
Antibody Flow Validation



- Validated by Scientists
- Supported by Scientists

Development and Application of Phospho-Motif Antibodies For Phospho-Proteomics

PHOSPHO-PEPTIDE MOTIF CAPTURE AND LC-MS/MS ANALYSIS



PhosphoScan™ Profiling

- Method: Phosphopeptide *Immunoaffinity Purification* & LC-MS/MS
- Kinase Biomarker Discovery, Target Validation & Indication Selection
- Kinase Substrate & Phosphopeptide Identification
 - Tyrosine, Serine & Threonine Specific
 - 100-400+ Phosphopeptides ID'd per sample
 - Peptides are not chemically modified; no charge bias