

ELISAONE™

Simplified Assays for Cell Signaling Analysis

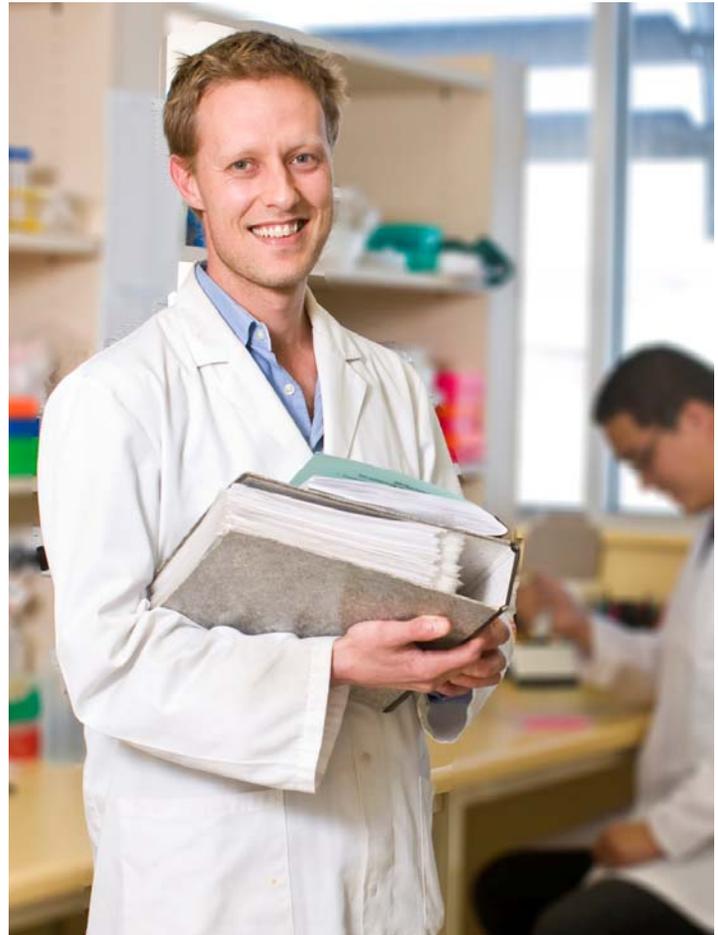
Fast, Easy, Flexible 1-Wash High Performance ELISAs

Monitoring cell signaling pathways accurately is essential for our understanding of many cellular processes and disease states. Protein phosphorylation plays a crucial role during intracellular signaling, but the availability of sensitive and convenient assays to measure the phosphorylation of endogenous signaling proteins can present a critical bottleneck for cell signaling research.

Next Generation ELISAs for Phosphoprotein Detection

TGR has developed a range of highly sensitive ELISAONE™ assays that can be used for the study of major intracellular signaling pathways, including MAPK, AKT, JAK/STAT and NF-κB signaling. These pathways are useful for studying key intracellular signaling events, and also for monitoring the activation of major receptor classes, including GPCRs, RTKs and cytokine receptors.

Less time, washing and handling equals a lower overall cost, and more consistent results



- **Sensitive:** for challenging biology
- **Fast:** results in as little as 1 hour
- **Simple protocol:** easy to run, only one wash
- **Quantitative:** for greater reliability
- **Flexible:** measure multiple analytes on one plate
- **Standard Plate Reader:** read with absorbance

What's different with ELISAONE™

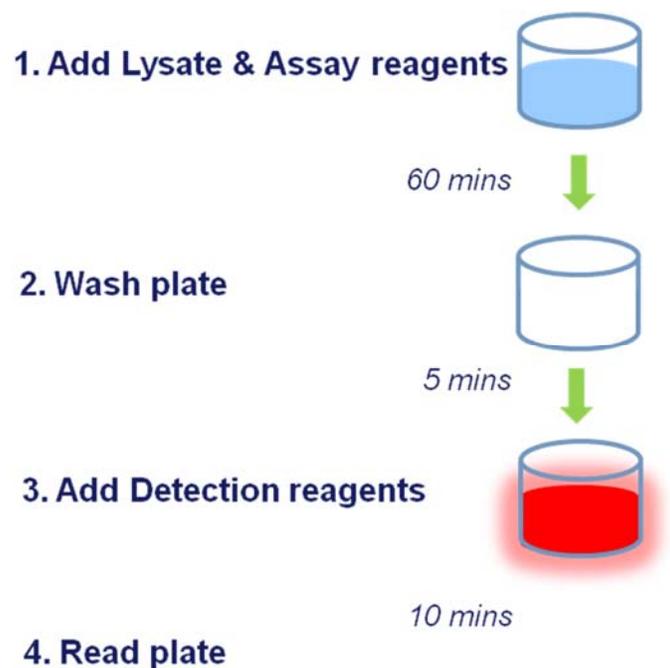
ELISAONE™ delivers a quantum-shift in the way a sandwich ELISA, a workhorse in many cell-biology labs, can be performed. With ELISAONE™ assays, cell lysates are simply mixed with ready-to-use assay reagents, in an ELISAONE™ microplate. After a short incubation, the wells are washed, and exposed to substrate. The substrate development is monitored in absorbance mode, meaning that most standard plate readers can be used.

All plates and reagents necessary for an ELISAONE™ assay are provided, and the whole process can take as little as 1 hour, with far fewer handling steps than regular ELISA kits and protocols.

The ELISAONE™ assay principle

ELISAONE™ technology uses a dual antibody capture system for maximum assay specificity. Assay reagents and the cellular lysates are added to the assay plates together at the same time - no preincubations are needed. Detectable complexes are only formed when the target is phosphorylated, and unbound antibodies are simply washed away after the incubation period. All assay kit reagents are optimized and supplied ready-to-use.

In addition to the benefits of speed, simplicity and sensitivity, the ELISAONE™ assay system offers both phosphorylated protein and total protein assays kits for many of the same targets, enabling accurate normalization and an end to cumbersome Western blotting experiments. With ELISAONE™, accurate and quantifiable information on cell signaling is easy to generate.



Ordering Information

CEDARLANE  www.cedarlanelabs.com

US: 1-800-721-1644

Canada: 1-800-268-5058



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