

Our Commitment to You...

As a company driven by science, our goal is to accelerate biomedical research by developing a “research tool box” enabling researchers to monitor and measure protein activity. We strive to meet contemporary and future research challenges by creating the highest quality, most specific and thoroughly validated antibodies and related reagents.

As a committed member of the research community we practice responsible and sustainable business methods and invest heavily in research and development. Moreover, we encourage thoughtful use of our limited resources by highlighting environmental issues in our catalog and promoting conservation and recycling.

Highest Quality Products

As scientists we understand your needs—our entire focus is your experimental success. The combination of experienced PhD level scientists overseeing target selection and antibody development processes together with novel antibody production technologies results in the highest possible product quality.

Extensive Product Validation

All product development and production is followed by rigorous in-house testing on a wide range of assay applications. This ensures optimal and reliable performance in critical applications employed in biomedical research.

Highest Quality Support

Technical support is provided by the very scientists who make a given antibody and know it best. You can be assured that our support will be thorough, fast and accurate.

Research: Discovery of New Protein Modification Sites

Research at Cell Signaling Technology (CST) has led to the development of PhosphoScan[®], a novel affinity/mass spectrometry method for the identification of phosphorylation sites (*Nature Biotech.* 23, 94–101). Combining PhosphoScan[®] technology with CST's unique motif antibody technology has enabled CST to expand its discovery efforts from tyrosine to serine/threonine phosphorylation and other modifications such as acetylation and methylation.

PhosphoSitePlus™ Bioinformatics Resource

Together with the NIH we continue to expand PhosphoSitePlus™, a new version of PhosphoSite[®], available at www.phosphosite.org. PhosphoSitePlus™ is the world's most comprehensive source of *in vivo* phosphorylation events. PhosphoSitePlus™ contains thousands of previously unpublished phosphorylation sites discovered at CST, now made freely available to all customers. We encourage you to review this new information and request reagent development.

New Antibody Technology

Over the years we have invested in the development of new antibody production technologies that are now impacting our business. Implementation of improved monoclonal and recombinant antibody production will pass on robust and consistent performance to customers.

Please visit our website for frequent new product additions.

With over 800 new products developed at CST during the past two years, the best way to keep up with our rapid rate of new product introduction is to check our website. The website also contains an online version of our unique signal transduction reference material, as well as a special section reflecting our commitment to the environment.

and to the environment

Cell Signaling Technology[®] (CST) is committed to raising awareness about the environment and the fundamental inter-relationship between ourselves and the biosphere in which we live. Throughout our catalog we have highlighted topics concerning *Conservation Across Borders*. Since 2000 we have supported organizations that are committed to conservation of the environment. This year CST is supporting: The Yellowstone to Yukon Conservation Initiative (Y2Y), The Large Pelagics Research Center, The Gombe School of Environment and Society (GOSES0), and The International Gorilla Conservation Programme (IGCP). Please see pg 272 for more information or go to our website, scroll down and click on the “Nature's Services” icon at the bottom right of our home page.

In addition, our headquarters/production facility achieved LEED (Leadership in Energy and Environmental Design) certification in 2006. CST's extensive in-house recycling program and recent efforts to compost all cafeteria kitchen ware at a local composting farm has made significant reductions to our overall waste. We are always looking for greener methods and materials to use in our labs and our marketing materials are made from recycled paper that includes the highest percentage of post consumer waste. Go to our website to find more information about some of our green initiatives.

Conservation Across Borders

See pg 3 for more on *Conservation Across Borders*.



A wild scarlet macaw (*Ara macao*) in flight above the rainforest. Once deemed to be one of the most important birds to Mayan civilization, wild scarlet macaws are now on the brink of extinction in all parts of Central America. Photo © Steve Bloom

About Cell Signaling Technology

Established in Beverly MA in 1999, Cell Signaling Technology (CST) is a privately owned company with over 200 people. We are dedicated to providing innovative research tools that are used to help define mechanisms underlying cell function and disease. Since its inception, CST has become the world leader in the production of the highest quality activation-state antibodies utilized to expand knowledge of cell signaling pathways.

Aberrant signaling within these pathways has been implicated in various diseases including cancer, diabetes and neurodegenerative diseases.

Besides product development and production, CST is also actively engaged in research in new technology development as well as primary cell biology research. CST scientists publish their findings in the highest quality peer reviewed journals including Nature Biotechnology, Cell, Journal of Immunology and Journal of Biological Chemistry. CST continues to expand an NIH-funded bioinformatics resource of protein phosphorylation events (PhosphoSite®) and is a partner of the Alliance for Cellular Signaling in its work modeling signal transduction pathways.

INNOVATIVE DISCOVERY TOOLS FOR
SIGNAL TRANSDUCTION RESEARCH

Education in Science Committee

CST recognized the importance and impact of high quality science teaching in local high schools. For many of us who work in the Biotechnology field, the springboard to pursuing higher education degrees in the sciences was the result of great teaching and the appropriate resources that made science fun and exciting to learn. To this end, CST monetarily supports local science departments in need of resources that enrich classroom teaching. Additionally, CST offers summer internship programs to local high school and college students interested in a career in the life sciences. Many of these students have become productive members of the CST team after graduation.

Corporate Donation Committee (CDC)

The CDC is made up of volunteer CST employees. The mission of the CDC is to share the success of CST with the local communities in which CST employees live by distributing funds to local organizations. A second goal of the committee is to foster community awareness and involvement by CST and its employees. Monetary donations, as well as needed supplies and equipment have been donated to organizations including The Anchorage, Inc., Beverly Bootstraps, Strongest Link AIDS Service, Inc. and other local organizations.

Environmental Commitment

One of CST's founding principals is to promote sustainable and sound ecological practices that respect our natural world. CST dedicates over 23 pages of the catalog and multiple web pages to raising awareness about the environment. This year's marine theme draws attention to the world's fisheries in crisis. As part of our environmental commitment CST supports the New England Aquarium and the Conservation Law Foundation, two nonprofit organizations dedicated to preserving and conserving the world's rich biodiversity. Internally, CST promotes environmental awareness by providing employees with an extensive in-house recycling program. We also choose to print all of our marketing and packaging material on recycled paper that includes the highest percentage of post consumer waste.

Formerly a hotel, our new headquarters has been transformed into a state of the art production facility and has recently achieved LEED (Leadership in Energy and Environmental Design) certification. This is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings that have long-term environmental benefits to both CST and the surrounding communities. Construction waste management, energy and water efficiency, indoor environmental quality, light pollution reduction and alternative transportation were all considered in creating this innovative and attractive "green building".

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