



THE RABBIT **MONOCLONAL** ADVANTAGE



RABBIT MONOCLONAL



MOUSE MONOCLONAL

ANTIGEN RECOGNITION

Excellent response to a wide range of antigens

Limited immuno response

AFFINITIES

Picomolar (10^{-12} kD M) possible

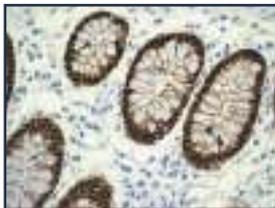
Nanomolar ($\sim 10^{-9}$ kD M)

APPLICATIONS

Westerns, ELISA, Flow Cytometry, IP, IHC, ICC - Excellent results in IHC

Westerns, ELISA, Flow Cytometry, IP - Not suitable for mouse studies

IHC



Paraffin-embedded human colon tissue stained with Epitomics' CDX2 RabMAb (Cat.# 2475-1) and Vendor A's CDX2 Mouse Monoclonal under optimal conditions

What is the Rabbit Monoclonal Advantage ?

Rabbit Monoclonal Antibodies (RabMAbs[®]) provide the combined benefits of superior antigen recognition of the rabbit immune system with the specificity and consistency of a monoclonal antibody, bringing you the highest quality antibody possible.

Find out more @ www.epitomics.com/comparison

SPECIAL OFFER

\$99 ANTIBODY SPECIAL

Find out more @ www.epitomics.com/products/promo

Who's helping you get more for your retirement?

Take the Fidelity Challenge: Put your savings and current retirement savings provider to the test. We're already helping thousands of higher education professionals like you take a fresh look at their investments.

THE FIDELITY CHALLENGE

- Start with a plan.** One that gives you the flexibility to make adjustments as your needs change.
- Find the right mix.** Determine how to divide up your portfolio to help you meet your goals.
- Compare investments.** Evaluate what you own now and explore other choices to consider.



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Schedule your one-on-one consultation with a Fidelity Planning and Guidance Consultant, and bring us your questions. You don't have to be a Fidelity client — and there's no cost or obligation. Let us help you feel more comfortable about your retirement.

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Keep in mind investing involves risk. The value of your investment will fluctuate over time and you may gain or lose money.

Although consultations are one on one, guidance provided by Fidelity is educational in nature, is not individualized, and is not intended to serve as the primary or sole basis for your investment or tax-planning decisions.

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GE Healthcare
Life Science

Confidence comes with the right interactions.

Join leading scientists from academia and industry at Developments in Protein Interaction Analysis (DiPIA), November 12-15, Boston, Massachusetts, USA.

This scientific conference offers opportunities to meet and discuss the latest developments in label-free interaction and stability analysis using Biacore™ Surface Plasmon Resonance (SPR) and MicroCal™ microcalorimetry systems.

Register at www.gelifesciences.com/dipia

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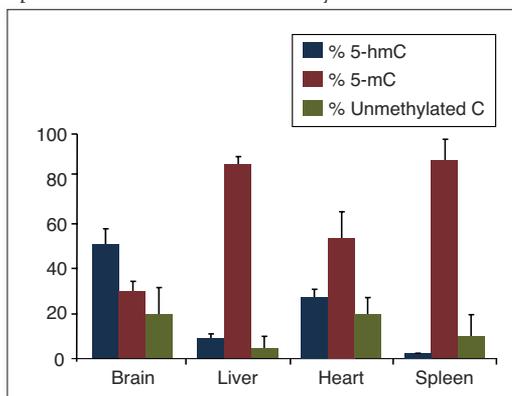


UNDERSTANDING CHANGE

Streamline epigenetics research with EpiMark™

When looking to simplify epigenetics studies, turn to EpiMark™ validated reagents from New England Biolabs. This suite of products is designed to address some of today's challenges when studying histone and DNA modifications, and expands the potential for biomarker discovery.

Identify and quantitate methylation states with the EpiMark™ 5-hmC and 5-mC Analysis Kit



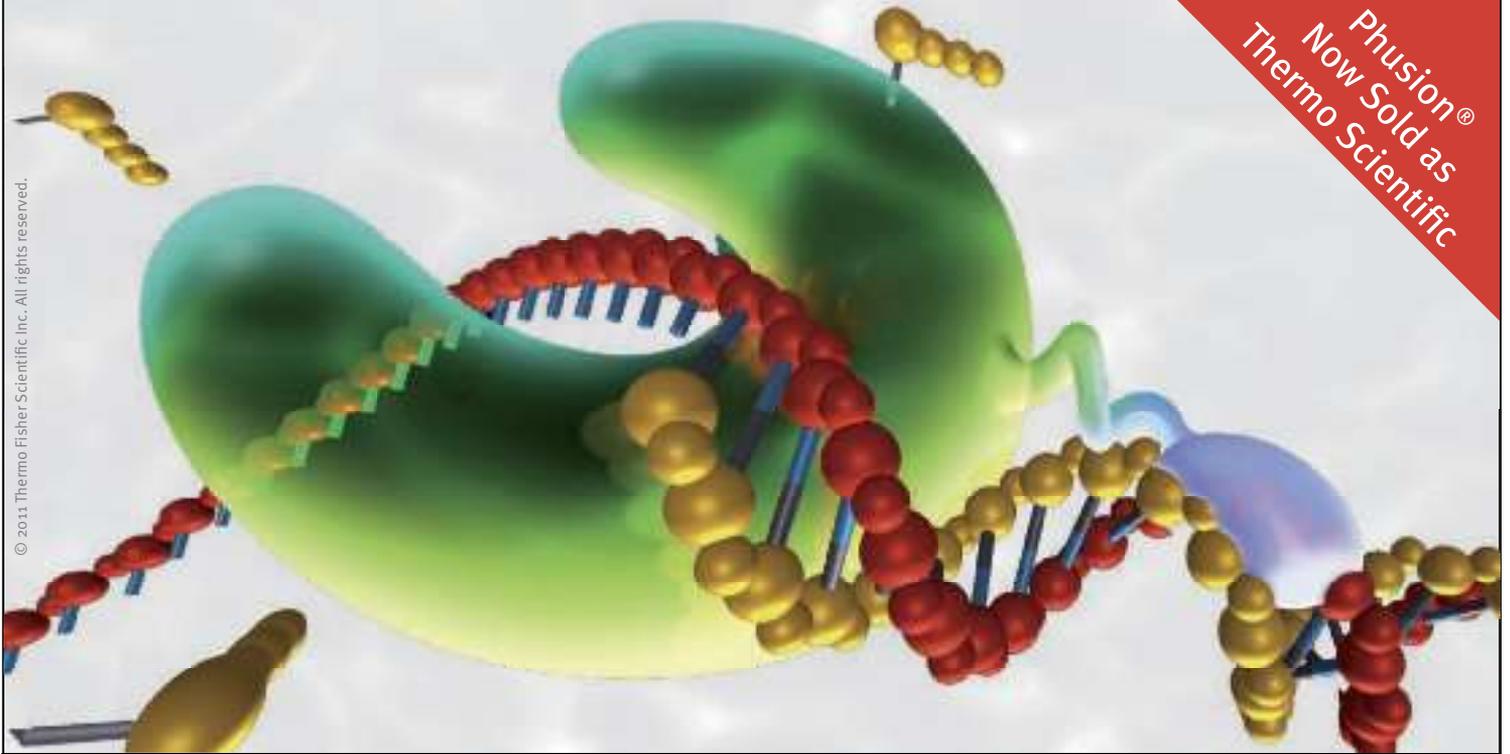
Analysis of the different methylation states in Balb/C mouse tissue samples shows a variation in the amount of 5-hmC present at locus 12.

New products:

- Novel kit for 5-hmC and 5-mC analysis
- Highly sensitive method for enrichment of methylated DNA
- Recently discovered methylation-dependent restriction enzymes
- New hot start polymerase and conversion kit for bisulfite sequencing

For more information, visit www.epimark.com





Best-In-Class High Fidelity DNA Polymerases.

Thermo Scientific Phusion High-Fidelity DNA Polymerases are the established standard for high-fidelity PCR. Phusion reagents were introduced in 2003 by Finnzymes, which is now part of Thermo Fisher Scientific. They are the first choice for several demanding PCR applications, including the creation of the first functional synthetic genome.

- **Accurate** – the highest fidelity of all thermostable DNA polymerases
- **Robust** – abundant yields with minimal reaction optimization
- **Fast** – high processivity allows short protocols
- **Specific** – hot start version minimizes non-specific amplification and primer degradation

All Finnzymes products including Phusion reagents are now sold under the Thermo Scientific brand.

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Submission
deadline
August 1

Your name here.



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* For the purpose of this prize, molecular biology is defined as "that part of biology which attempts to interpret biological events in terms of the physico-chemical properties of molecules in a cell".

(McGraw-Hill Dictionary of Scientific and Technical Terms, 4th Edition).

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INTERNATIONAL SCIENCE & ENGINEERING
VISUALIZATION CHALLENGE

CALL FOR ENTRIES

ENTRY DEADLINE: SEPTEMBER 30, 2011

SCIENCE AND ENGINEERING'S MOST POWERFUL STATEMENTS
ARE NOT MADE FROM WORDS ALONE



NEWS of exciting changes to this year's Challenge, coming soon!

Visualization in all its forms has the power to illuminate and educate. It explains and makes clear all aspects of the world around us. It feeds insight and provokes curiosity.

The National Science Foundation (NSF) and the journal *Science*, published by the American Association for the Advancement of Science, invite you to participate in this year's Challenge. The competition recognizes scientists, engineers, visualization specialists, and artists who produce innovative work in visual communication.

Winning entries will be published in *Science* and *Science Online*, and will be displayed on the NSF web site.

Award Categories

- Photography
- Illustrations
- Informational Posters and Graphics
- Videos
- Interactive Video Games

COMPLETE ENTRY INFORMATION:
WWW.NSF.GOV/NEWS/SCIVIS



JACKETED REACTION SYSTEM CONTROL

Control Software allows chemists to datalog and control multiple devices including stirrers, circulators, balances, pumps, temperature sensors, and other devices. The Control Software is designed to control jacketed reaction systems, including Radleys' Reactor-Ready, Reactor-Ready Duo, Lara CLR, plus other popular reactor makes. The software features an easy-to-use windows format with intuitive drag-and-drop icons. A logical flowchart interface makes light work of setting up apparatus, creating recipes, and running experiments. All recipe and experimental data is automatically logged to .csv files; plus data can be recalled for analysis as well as shared with other users, departments, or sites. Indeed the flexible license allows pre- and post-experimental work on other computers. Choose from several screen mimics to suit your reaction system setup. Use the software to create recipes with any number of steps in series or parallel and view real-time graphs of data during your experiment.

Radleys

For info: +44-(0)-1799-513320 | www.radleys.co.uk



GEL ELECTROPHORESIS ANALYSIS

QIAGEN's ScreenGel software enables the convenient DNA fragment and RNA analysis with the QIAxcel multicapillary gel electrophoresis systems. It combines the highest possible flexibility for researchers with the ability for standardized and reproducible operations in routine labs. ScreenGel allows easy performance, interpretation, and customized documentation of electrophoresis analysis with an intuitive user interface. The software also supports electronic record requirements specified under 21 CFR part 11, and enables standardized sample processing with process templates as well as secure user management with a variety of access levels. The software is launched together with the new QIAxcel Advanced system, which comes with improved hardware features and a new look and feel. The system enables effortless automated electrophoresis, which replaces traditional labor-intensive gel analysis of DNA and RNA, streamlines the workflow and significantly reduces time to result.

Qiagen

For info: 800-426-8157 | www.qiagen.com

CHIMERISM ANALYSIS

The new automated chimerism software, ChimerMarker, integrates the previously distinct analysis operations for initial donor/recipient compatibility and post-engraftment longitudinal studies. The new software, compatible with outputs from all major capillary electrophoresis platforms as well as commercially available STR and custom chemistries, integrates sizing and allele calling with automated chimerism analysis, eliminating the need for tedious and error-prone data transfer which is today's norm. ChimerMarker software can be used to monitor chimerism in both allogeneic and autologous stem cell transplant, hematopoietic stem cell transplant, bone marrow transplant, and peripheral blood stem cell transplant. The program preferences include labeling of peak ratios by height or area, with multilineage capabilities for chimerism analysis of T cells, B cells, and other cell type populations, which may indicate graft-versus-host disease or graft rejection. Case-specific panels are automatically constructed using donor recipient allele calls.

SoftGenetics

For info: 888-791-1270 | www.softgenetics.com

PIPETTE MANAGEMENT

Version 3 of the Pipette TrackerT software is tightly integrated with the Artel PCS (Pipette Calibration System), providing a total management system for quality control of any pipette population. The updated software brings even more convenience to laboratories by proactively notifying quality control managers and laboratory technicians through e-mail when pipettes are due for calibration and/or preventive maintenance. Pipette Tracker software provides more tools to analyze pipette calibration and maintenance records, making it easy to identify poor performance trends early on. The software allows laboratories to set action limits, which will alert users when a pipette is nearing its individual performance specifications, allowing preventive maintenance to be performed before pipette failure occurs. This version also maintains information on each preventive maintenance or repair event, allowing the laboratory to generate a complete history of calibration and maintenance data for each pipette and receive early warnings if a pipette approaches its tolerance limits.

Artel

For info: 888-406-3463 | www.artel-usa.com

LABORATORY INFORMATION MANAGEMENT SYSTEM

The enhanced Qualoupe Laboratory Information Management System (LIMS) software features a simple-to-use, intuitive user interface that offers both clarity and flexibility never before seen in the commercial LIMS industry. The specially optimized software ensures that user interface functions assist users to work simply, clearly, and efficiently in the way they wish to work. A case in point is the way that Qualoupe's roles functionality has been designed to modify the users interface to reflect the LIMS capabilities assigned to the users role. Another popular user interface feature offered by the latest release of Qualoupe allows users to define sequential sample numbering by laboratory, by batch, or by project. The web-based Qualoupe user-customizable interface is principally icon-driven and features uncluttered screens using a Just Enough Information Model (JEIM) that requires minimal mouse clicks to operate.

Two Fold Software

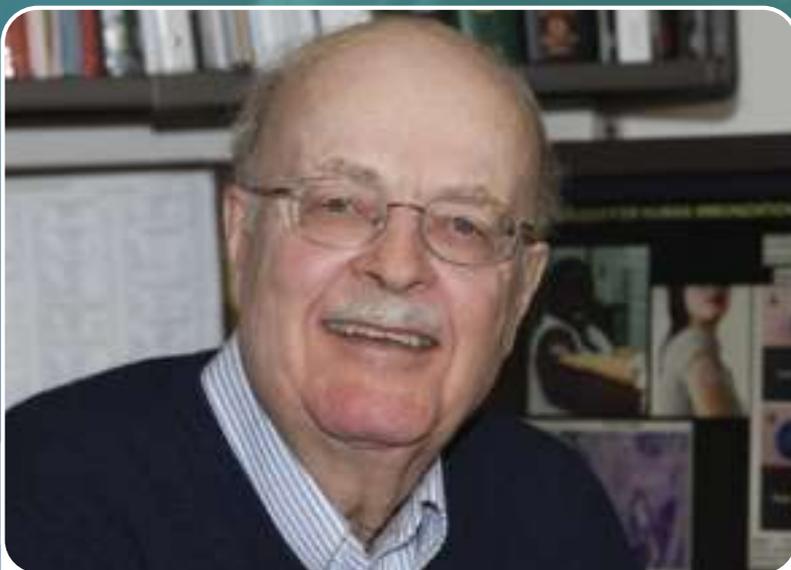
For info: +44-(0)-8458-05182 | www.twofold-software.com

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“A dream told me to do it.”

*Dr. Carl Alving
on his inspiration
for inventing
the vaccine patch.*



Carl R. Alving, M.D.
Chief of the Department of Adjuvant & Antigen Research,
Division of Retrovirology
at the Walter Reed Army Institute of Research
AAAS member

MemberCentral is the new website that looks at science through the eyes of AAAS members. It celebrates their achievements—like Dr. Alving’s vaccine patch—and their shared belief in the transformative power of science. Use **MemberCentral** to connect with other members, learn about work being done in other fields, and get fresh perspectives on issues ranging from speciation to STEM education.

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qPCR that stands alone.



That's **qPCR**evolutionary.

The Bio-Rad CFX96 Touch™ and CFX384 Touch™ real-time PCR systems let you start your run with the easy-to-use touch screen, view your data on the system in real-time, and have your results emailed to you at the end of the run. The CFX96 Touch and CFX384 Touch systems' revolutionary features give you a better way to increase your qPCR productivity.

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- **Faster** — save time and costs optimizing assays in a single run using the thermal gradient
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