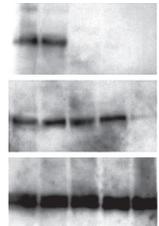


LESS
SAMPLE.



MORE
STORY.



Sensitive and sensible, BioSource™ ELISA Kits deliver relevant data from as little as 50 µl. Or fewer than 10,000 cells if you're working with phosphoELISA™ Kits. We offer a wide range of ELISA and phosphoELISA™ Kits for measuring cytokines and phosphorylated proteins — with the exacting sensitivity and reproducibility you need. And faster incubation times. What are you waiting for? See how far your sample can go with BioSource™ ELISA Kits at www.invitrogen.com/elisa.

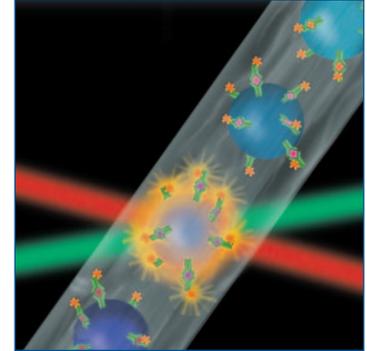




R&D Systems Fluorokine[®] MAP (Multi-Analyte Profiling)

New Human Obesity and Human Adhesion Molecule Panels Available

R&D Systems Fluorokine MAP Multiplex Assays are designed for use with the Luminex[®] flow-based sorting platform, and allow you to measure multiple analytes in a single small sample.



Additional panels include:

- Human Cytokine Panel A
- Human Cytokine Panel B
- Mouse Cytokine Panel
- Human MMP Panel

All analytes of a given panel are validated to work together, but are sold separately for greater flexibility.

What you need to run a successful Fluorokine MAP experiment

Use any or all of the panel constituents (antibody coated microparticle sets) with the panel-specific base kit to tailor the assay to your research needs. Analyze using Luminex technology.

Human Obesity Panel

ANALYTE	CATALOG #
Adiponectin/Acrp30	LOB1065
C-Reactive Protein	LOB1707
CCL2/MCP-1	LUH279
Complement Factor D/Adipsin	LOB1824
IL-6	LUH206
IL-10	LUH217
Leptin	LUB398
Resistin	LOB1359
Serpin E1/PAI-1	LOB1786
TNF- α	LUH210

Any or All

Human Obesity Panel Base Kit

CATALOG # LOB000



Human Adhesion Molecule Panel

ANALYTE	CATALOG #
sICAM-1/CD54	LAD720
sE-Selectin/CD62E	LAD724
sP-Selectin/CD62P	LAD137
sVCAM-1/CD106	LAD809

Any or All

Human Adhesion Molecule Panel Base Kit

CATALOG # LAD000



Luminex Analyzer



See www.luminexcorp.com for information on instrument availability.

U.S. & Canada
R&D Systems, Inc.
Tel: (800) 343-7475
info@RnDSystems.com

Europe
R&D Systems Europe Ltd.
Tel: +44 (0)1235 529449
info@RnDSystems.co.uk

Germany
R&D Systems GmbH
Tel: 0800 909 4455
info@RnDSystems.co.uk

France
R&D Systems Europe
Tel: 0800 90 72 49
info@RnDSystems.co.uk

R&D Systems is a trademark of TECHNINE Corporation

Luminex is a registered trademark of Luminex Corporation.
Fluorokine is a registered trademark of R&D Systems.

For research use only. Not for use in diagnostic procedures.

Selection expanding weekly—visit www.RnDSystems.com



Quality | Selection | Performance | Results

See more. Know more. (publish more)

The ImageStream® system

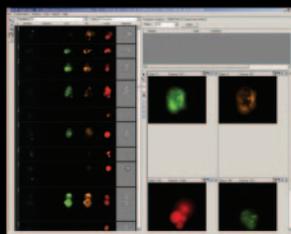


We won't guarantee that every experiment you do with the ImageStream system will turn into a publication, but we will guarantee that when you analyze your cell sample on the ImageStream you will see more -- and know more -- than you ever thought possible. High resolution imaging of tens of thousands of cells gives you the ability to quantitate the amount, location and movement of multiple target molecules in any cell and for entire populations.

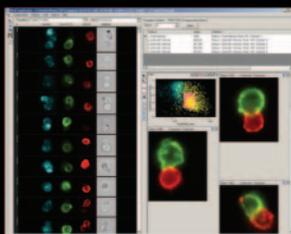
Combining the visual power of microscopy with the statistical power of flow cytometry, the ImageStream system generates six images of every cell -- brightfield, darkfield and up to four fluorescent colors. The cells are imaged directly in flow at up to 15,000 cells per minute.

The variety of applications is enormous: apoptosis, nuclear translocation, co-localization, cell classification, quantitative morphology, phagocytosis, viral infection, FISH in suspension and many more. Measure a wide range of critical cellular events, accurately and reliably, even in rare subpopulations.

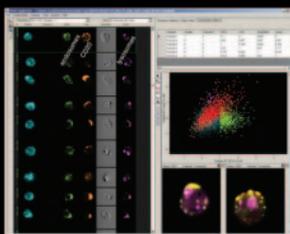
To learn more, visit www.amnis.com or call 800-730-7147 toll-free in the US or 206-374-7000 outside the US.



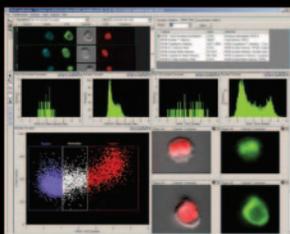
Analyze patterns and locations of gene expression, quantitatively, across entire cell populations



Study the interactions between cells and the molecular activities occurring at cell junctions



Quantitatively characterize intracellular molecular processing including specific organelle involvement



Measure the nuclear translocation of NF- κ B and a wide range of similar nuclear factors

The ImageStream System can be applied to many different research problems. Each of the images above shows a screenshot of data generated by the powerful IDEAS® image analysis software package, an integral part of the ImageStream system. A more complete introduction to the range of ImageStream applications may be found on the Amnis web site at www.amnis.com

ImageStream. Think outside the dot.



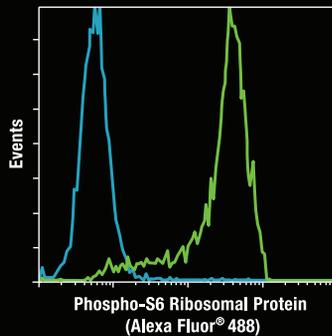
Amnis®, ImageStream® and IDEAS® are registered trademarks of Amnis Corporation.

Alexa Fluor[®] Conjugated Antibodies for the Study of Intracellular Signaling

...from Cell Signaling Technology

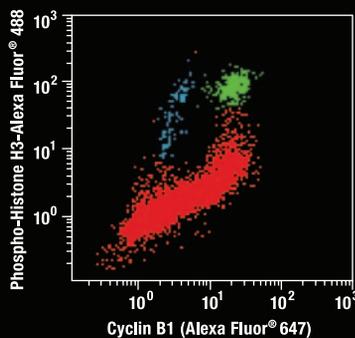
S6 and Translation

Phospho-S6 Ribosomal Protein (Ser235/236) (2F9)
Rabbit mAb (Alexa Fluor[®] 488 Conjugate) #4854



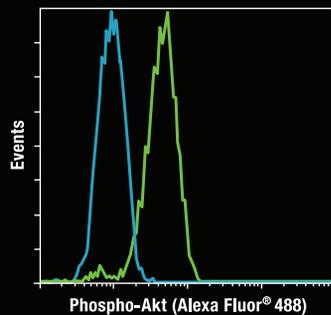
Mitotic Marker: Phospho-Histone H3

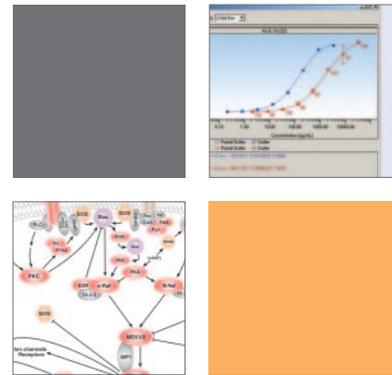
Phospho-Histone H3 (Ser10) (Alexa Fluor[®] 488 Conjugate) #9708
Cyclin B1 (V152) Mouse mAb (Alexa Fluor[®] 647 Conjugate) #4118



Akt and Survival

Phospho-Akt (Ser473) (193H12) Rabbit mAb
(Alexa Fluor[®] 488 Conjugate) #2336





Bio-Plex, Leading Life Science Discovery

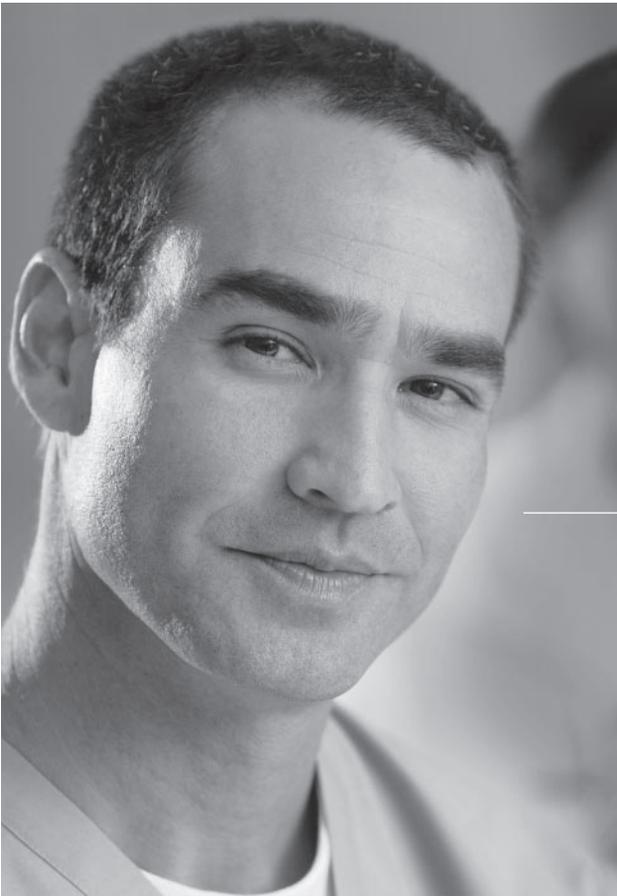
Advance your understanding of cell biology and mechanisms of disease with the integrated Bio-Plex system

Bio-Plex is the most widely cited multiplex assay platform with research applications in Alzheimer's and Parkinson's disease, diabetes, obesity, cancer, asthma, cystic fibrosis, autoimmune disease, viral infections, and vaccine development.

The Bio-Plex system enables you to quantitate up to 100 different analytes in one sample with unsurpassed sensitivity, precision, and accuracy, giving you the power to understand complex relationships between proteins in normal and disease states.

For more information, visit us on the Web at www.bio-rad.com/bio-plex/

Newest Solution



The NIH Loan Repayment Programs | *Healthier Futures Through Research*

If you're interested in a biomedical research career, you should know that the National Institutes of Health Loan Repayment Programs may repay up to \$35,000 per year of your qualified educational loan debt.

I want to help develop immunotherapies

Not worry about my student loans

Deadline for Applications is December 1

For more information, visit www.lrp.nih.gov or call 1-866-849-4047



IMMUNOLOGY



THE JOURNAL OF

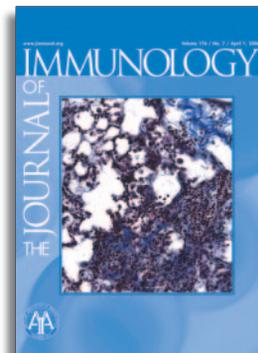
The JI Online!

The Journal of Immunology is available online at:

www.jimmunol.org

All Table of Contents, abstracts, and full-text of articles published 1998 to one year ago are available free to all viewers. Subscribers may also access the full text of articles from 1980 to the present time.

To activate your subscription and gain access, follow the complete instructions on the website by clicking on **Subscriptions**. Additional information including Editorial Policies of *The JI*, how to become a reviewer, information for authors, and purchasing a subscription can also be accessed on the website.



The Division of Pediatric Allergy and immunology at the Johns Hopkins University School of Medicine is seeking to add two full-time faculty members at the assistant/associate professor level. One should be an MD or MD/PhD clinician scientist with a commitment to research and experience in the care of patients with immunodeficiency diseases. The second should be a PhD with expertise in laboratory based research in immunology, allergy, and/or asthma who is capable of both working in collaboration with existing faculty members and establishing an independent research program. Interested candidates should submit a CV and letter of interest to Robert Wood, MD at rwood@jhmi.edu.



Asthma & Allergic Diseases Center POST-DOCTORAL RESEARCH

The Asthma and Allergic Diseases Center at the University of Virginia is seeking to add a post-doctoral research fellow.

Applicants should have at least a Ph.D. and expertise in allergy/immunology research. The successful applicant will work on a project focusing on the role of T cells and dendritic cells in allergic disease using human-based systems.

Interested candidates should submit a CV and letter of interest to

Danielle Quereshi
PO Box 801355
Charlottesville, VA 22908

or via e-mail: dlq2n@virginia.edu

Positions will remain open until filled.

The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

IMMUNOLOGY



THE JOURNAL OF

Need to Recruit?

Recruiting through *The Journal of Immunology* is the most economical way to reach the immunologic community without wasting money. Why pay more to reach geologists and physicists when you are seeking immunologists?

A quarter-page advertisement costs \$760.00.

For further information, contact:

Steve West

Professional Media Group (PMG)

Tel: (856) 589-5454 ext.14

steve@promedgroup.net

MICHIGAN STATE UNIVERSITY

Cardiovascular Scientist in Inflammation

Inflammation and the role of the immune system in cardiovascular function and disease has been identified as an area of need for the biological/medical sciences at Michigan State University. The Biomedical Departments of Michigan State University have jointly opened a search for immediate applications for a **tenure-track assistant professor position in the cardiovascular sciences**. This is one of four positions to be filled in cross-disciplinary aspects of inflammation and immunology. For the cardiovascular position, specific areas of interest include but **are not limited to:** inflammatory cell recruitment to the cardiovascular system, role of cytokines in cardiovascular function, role of the immune system in metabolic syndromes, relationship of oxidative state to immunological status, and cerebral vascular inflammation and stroke. A doctoral degree (PhD, DO, DVM or MD), and experience in a postdoctoral position are required.

The successful applicant will have the opportunity to join a biomedical department best-suited to their research, potential for collaboration, and ability to lead

cardiovascular inflammation research on the MSU campus. MSU cardiovascular research encompasses significant strength in different scientific areas and diseases that include hypertension, stroke, and obesity. Information on cardiovascular research at MSU, as well as current faculty and collaborations can be found at <http://cardiovascular.msu.edu>.

The applicant should submit a letter of application, curriculum vitae, statement of research goals, up to five relevant reprints and full contact information (address, e-mail and phone) for three personal references to: **Stephanie W. Watts, Ph.D., Cardiovascular Inflammation Committee Chairperson, Department of Pharmacology & Toxicology, B445 Life Sciences Building, Michigan State University, East Lansing, MI 48824-1317. Fax: (517) 353-8915; Tel: (517) 353-3724; E-mail: wattss@msu.edu.**

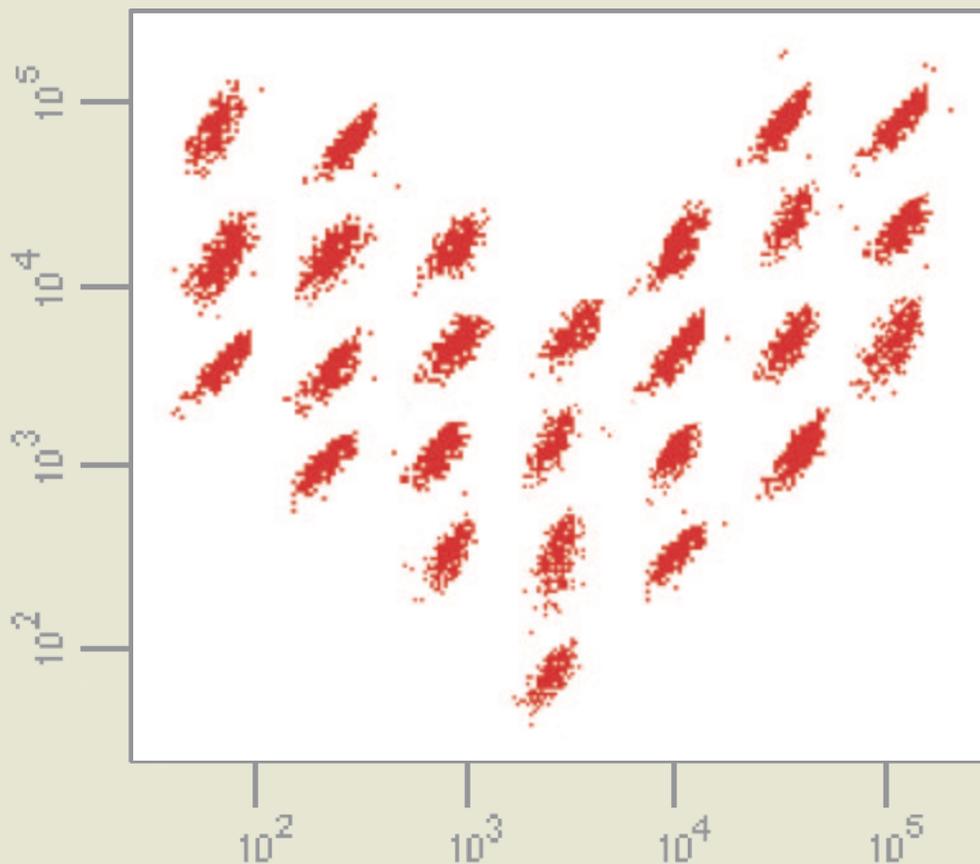
All application materials should be submitted electronically to wattss@msu.edu.

Applications should be received by **October 30, 2006**.

MSU IS AN AFFIRMATIVE ACTION, EQUAL OPPORTUNITY INSTITUTION.

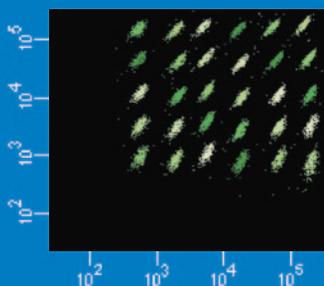
BD™ Cytometric Bead Array

Flex Set Bead-Based Immunoassays



Helping all people
live healthy lives

Your instruments will love our beads.



Human cytokine 30-plex acquired on
the BD FACSArray bioanalyzer

Validated for use on five BD FACSTM brand flow cytometers, our BD™ CBA Flex Set system for measurement of cytokines and cell signaling proteins is the most flexible on the market. Our assays have been formulated to generate any size multiplex on demand with a simple assay protocol. You can now increase throughput and hands-free time with the BD FACSArray™ bioanalyzer or a

BD HTS-equipped flow cytometer. The BD CBA Flex Set system lets you concentrate on what really matters: your results.

Visit us at bdbiosciences.com/flexset to learn more.

Shop online at shop.bdbiosciences.com