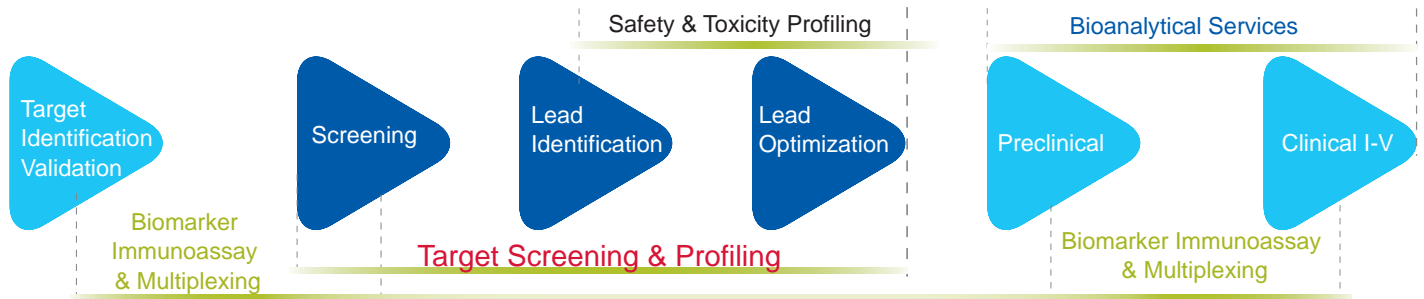


Drug Discovery & Development

Bring Our Complete Workflow Solution to You ~



台灣生技起飛, 與世界接軌.

加速新藥研發, 您需要 Merck Millipore

以數十年服務世界各大藥廠的專業團隊, 提供您高品質及迅速的服務

www.millipore.com/drugdiscovery

Target Screening & Profiling	Biomarker Immunoassays & Multiplexing	Preclinical & Clinical Development Services	Safety & Toxicity Profiling
<ul style="list-style-type: none"> > GPCR Target Solutions > Ion Channel Target Solutions > Kinase & Phosphatase Target Solutions 	<ul style="list-style-type: none"> > MILLIPLEX MAP Immunoassay Portfolio > ELISA Kits > RIA Kits > BioMarker Services 	<ul style="list-style-type: none"> > Immunogenicity Testing Services > "Fit for Purpose" Biomarker Assay Validation Services > Pharmacokinetic (PK) Assessments of Biopharmaceuticals 	<ul style="list-style-type: none"> > Hepatotoxicity Profiling Assays > Neurite Outgrowth Assay > Cell Proliferation and Cell Cycle Assays for High Content Analysis

Lead Discovery : Target Screening & Profiling

最詳細的資訊都在 : www.millipore.com/leaddiscovery

Products and Services

Products

- > GPCRs
- > HepaRG™ Cells
- > Ion Channels
- > Kinase and Phosphatases
- > Quantitative Cell Imaging
- > Ubiquitin

Services

- > GPCR
- > Ion Channel
- > Kinase and Phosphatase
- > SignalProfiler **NEW**
- > Safety and Liability Screening
- > UbiquitinProfiler **NEW**

FlexLab Custom Services

- > GPCR
- > Ion Channel
- > Kinases and Phosphatase
- > Ubiquitin

GPCR : Cell Lines, Membrane Preps and Profiler Services

> 192 GPCR Targets

Merck Millipore has developed proprietary technologies to enhance the functional expression of Gpcrs while enabling for a single functional readout regardless of G protein-coupling status. This technology is the foundation of our robust and reliable gpcr products and services.

Ion Channel : Cell Lines, Membrane Preps and Profiler Services

> 9 Sodium Channels Target; > 25 Potassium Channels Target; > 3 Calcium Channels Target; > 4 HCN Channels Target; > 12 Ligand Gated Target; > 3 TRP Target

Merck Millipore offers a fully validated panel of functional profiling assays which employ a variety of PrecisION® ion channel cell lines, the IonWorks® HT/Quattro™ instrument platforms, the PatchXpress® instrument, and conventional manual electrophysiology platforms. The cell lines were carefully selected for optimal performance on the IonWorks® instrument thus ensuring a high level of accuracy and precision in the assays. Our PrecisION® Ion Channel Cell Lines can be provided as frozen Ready-to-Assay® cells to existing license holders, for bulk orders or as a supply agreement.

Kinase / Phosphatase : Enzymes and Profiler Services

> 350 active, inactive and unactivated kinases, phosphatases

Merck Millipore has a broad and continuously expanding portfolio of recombinant proteins. This portfolio includes more than 350 active, inactive and unactivated kinases, phosphatases and the largest available selection of disease-relevant mutants. All of our enzymes are available in quantities sufficient for high throughput screening.

VOTED

"Most trusted and most used outsourced GPCR fee-for-service provider."

*GPCR Screening & Profiling Trends
HTStec Limited, 2010*

Feedback

"Millipore is focused on the customer; they provide quality and support in their products and services. In addition, they have a valuable ion channel platform which is useful for prosecuting this important class of therapeutic target."

*Greg Kaczorowski
President and CEO,
Kanal's Consulting L.L.C.*

VOTED

"Most preferred and most used fee-for-service kinase profiling provider."

*Kinase Screening & Profiling Trends,
HTStec Limited, 2010.*

Drug Discovery & Development

NEW

SignalProfiler™ Service:

Utilizing MILLIPLEX® MAPmate™ cell signaling kits, SignalProfiler™ Service profiles samples against a panel of **90+ post-translationally modified and total proteins.**

- Inspection of common intracellular signal transduction cascades and networks
- Use cells that are relevant for your research
- Cell-based assays for compound efficacy and liability
- Run by experts in compound selectivity-profiling

NEW

UbiquitinProfiler™ Service:

- The first and only service that identifies potential activators and inhibitors of E3 ligases within therapeutically promising ubiquitination cascades.
- Profile your leads against our expanding panel of E3 ligases, using a physiologically relevant E1-E2-E3 ligase cascade
- Obtain single point inhibition data or 9-point IC50 curves
- Measure substrate ubiquitination with validated activity assays
- Get data reports in 4 weeks or less

靠著 Merck Millipore 創新解決方案的實驗結果
是您致勝的關鍵核心！



FlexLab™ Service 客製化服務

Obtaining the reagents you need to drive your discovery program is not limited to our existing product line. Our FlexLab™ Service provides you with experience, expertise and the flexibility you require to drive your discovery program. We offer custom protein production for Kinases, Phosphatases and protein substrates and custom cell line development for GPCRs and Ion Channels.

In addition, our custom assay development team can design unique assays or extend our current services to fit individual needs.

新藥開發要搶時間 .. 您需要值得信賴的合作夥伴

- 👍 Expertise in high quality sample analytes
- 👍 Long and proven history with clients
- 👍 Fast, flexible reporting
- 👍 Guaranteed reproducibility & quality control
- 👍 R&D built into every step for performance you can rely on
- 👍 Leadership in multiplex services using the Luminex xMAP Technology
- 👍 Time-saving solutions

Feedback

"We are very impressed by Millipore's customer support and outstanding level of professionalism that they offer us."

F. Javier Garcia-Ladona, Ph.D.
Neuroscience Discovery Cell Biology, Mol. Biology & Biochem.
Department, Abbot GmbH & Co. KG, Germany

DART™ Target Visualization. 最新整合性分析軟體

Illustrative, web-based visualization of profiling data.
Find the real target hiding in your hit list.



Split-screen comparison of activity profiles of two compounds using DART visualization

Merck Millipore has introduced the first software application for in-depth visualization of GPCR and kinase profiling data.

Our Data Analysis and Report Tool (DART™) creates an interactive map of target profiling assay results, enabling you to make faster, more informed decisions in your drug development projects.

With the DART™ Tool, you can:

- Securely load previously obtained KinaseProfiler™, GPCRProfiler® or AllostericProfiler™ service data
- Map data onto interactive KINome and GPCRome diagrams
- Visualize % inhibition, % activity and other data correlated with submitted compounds
- Customize normalization and display options
- Compare activities of up to 4 compounds at once
- Save or print mapped data

Try the demo: www.millipore.com/visualize

Biomarker Immunoassays & Multiplexing

越來越熱門的 Biomarker Multiplexing ImmunoAssay
讓專業的團隊帶領您跟上世界的潮流

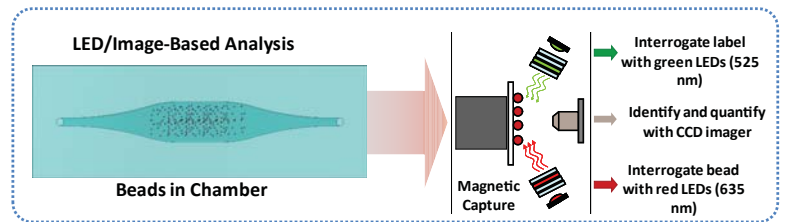
Versatility in a Complete Package. MILLIPLEX^{MAP} Magnetic Bead-based Immunoassay Kits & MAGPIX Instruments.

面對珍貴實驗樣本體積
MAGPIX 提供更多蛋白質多重偵測能力
詳情請上 www.millipore.com/magpix

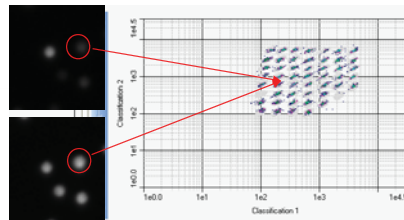


特點:

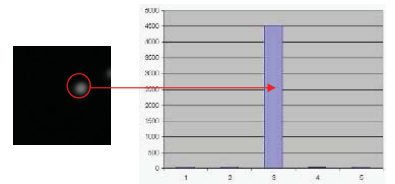
- 使用方便: 結合磁珠及 CCD 照相系統
- 少量樣品 (25 μ L) 就可以同時進行數十種抗原免疫分析
- 不佔空間: 節省實驗室空間
- 機動性高: 易於移動, 裝機方便
- 價格經濟: 使用 xMAP 技術平台的經濟選擇



Two classification images will identify which bead set each individual bead is from - identifies assay



Reporter image quantifies assay - is your target analyte present and at what level?



Merck Millipore 提供您藥廠品質等級的試劑組、分析軟體、硬體及服務, 加速您的實驗速度!
趕快上網來瞭解 ~



Panels & Kits



Instruments



Software



Biomarker Services

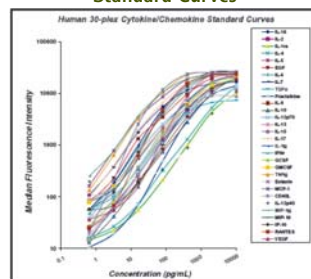
1 www.millipore.com/milliplex

Browse Research Focus Area
Select one of the Research Focus Area links below to learn more about our Immunoassay and Multiplex Solutions for your area of interest.

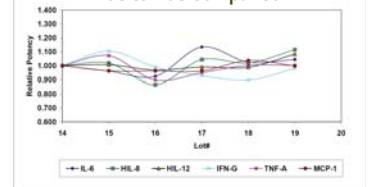
2 選擇您有興趣的研究領域

- Neuroscience
- Metabolism
- Immunology
- Cancer
- Toxicity
- Cell Signaling
- NEW Cellular Metabolism
- Cardiovascular

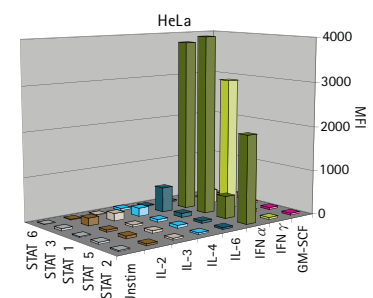
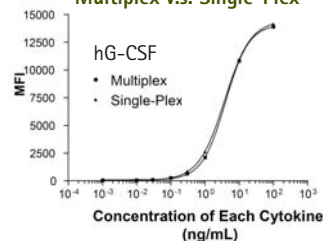
Human 30-plex Cytokine/Chemokine Standard Curves



Lot to Lot Comparison



Multiplex v.s. Single-Plex



Data generated with the MILLIPLEX Analyst and illustrated with the 3D tool for reports powered by VigenTech® software exclusively for Millipore.

Cellular Metabolism Research NEW

Overview

MILLIPLEX MAP

ELISAs

Request Info

The Relevance of Cellular Metabolism Studies



Cellular metabolism is the process by which cells produce energy from organic substances using a set of pathways and processes that take place at the cellular and subcellular level. The outcome of cellular metabolism is

New Product Spotlight

MILLIPLEX[®] MAP Multi-species Pyruvate Dehydrogenase (PDH) Complex Magnetic Bead Panel

25% OFF MILLIPLEX[®] MAP
Selected Cellular Metabolism Panels
Reference Promo Code ZBIOS488
Offer valid until March 31, 2012

③ 選擇 MILLIPLEX 分析方法

Overview

MILLIPLEX MAP

ELISAs

Request Info

④ 選擇您研究的動物模式



Human



Rat



Mouse

MILLIPLEX[®] MAP Human Fatty Acid Oxidation Magnetic Bead Panel 1
25% OFF - Offer valid until March 31, 2012
Catalogue Number: HFA01MAG-11K (magnetic)

- > ACAA2
- > LPBE/ECHD
- > SCHAD
- > TFP

⑤ 選擇您想研究的 Panels

MILLIPLEX[®] MAP Human Fatty Acid Oxidation Magnetic Bead Panel 2
25% OFF - Offer valid until March 31, 2012
Catalogue Number: HFA02MAG-11K (magnetic)

- > CPT2
- > DECR1

MILLIPLEX[®] MAP Human Oxidative Phosphorylation (OXPHOS) Magnetic Bead Panel
Catalogue Number: HOXPSMAG-16K (magnetic)

- > Complex I
- > Complex II
- > Complex III
- > Complex IV
- > Complex V
- > NNT

MILLIPLEX[®] MAP Multi-species Pyruvate Dehydrogenase (PDH) Complex Magnetic Bead Panel (human, mouse, rat)
25% OFF - Offer valid until March 31, 2012
Catalogue Number: PDHMAG-13K (magnetic)

- > PDH total
- > PDH (pS232)
- > PDH (pS293)
- > PDH (pS300)

③ 選擇 ELISA 分析方法

Overview

MILLIPLEX MAP

ELISAs

Request Info

④ 選擇您研究的動物模式



Human



Rat



Mouse

Assay	Species	Catalogue No.
Mitochondrial Complex I Activity Assay Kit	human, rat, mouse	AAMT001
Mitochondrial Complex II Activity Assay Kit	human, rat, mouse, bovine	AAMT002
Mitochondrial Complex IV (Human) Activity Assay Kit	human, bovine	AAMT004
Mitochondrial Complex V Activity Assay Kit	human, rat, bovine	AAMT005
PDH Activity Assay Kit	human, rat, mouse, bovine	AAMT008
Aconitase Activity Assay Kit	human, rat, mouse, bovine	AAMT009
Cytochrome c ELISA Kit	human, rat, mouse, bovine	EAMT001
Fratxin ELISA Kit	human	EAMT002
PDH ELISA Kit	human, rat, mouse, bovine	EAMT003