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升级会员

批量购买



永久使用

无限制使用次数



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超低资源占用，告别卡顿慢



自由编辑

享受Word一样的编辑自由



扫一扫，关注公众号



GloMax[®] Discover and GloMax Explorer

用于发光、荧光和吸光度检测的先进
多模式微孔板读板仪。

简便易用

直观的触摸屏显示、预加载的实验方案和自动增益调整功能，使生成数据和分析结果变得简单。

应用灵活

GloMax系统可根据应用需要选择检测所需的一个或多个检测模块。GloMax Discover和Explorer可放置在工作台上独立使用，也可以与自动化平台整合提高实验通量。无论何种工作流程，GloMax系统都将能满足需求。

集成Promega应用方案

优化的预置Promega实验方案，可最大限度地减少优化仪器设置所花费时间，确保实验顺利进行。



卓越的检测性能

GloMax系统提供宽检测动态范围，可在同一实验中同时满足测量高、低丰度的样品，具有极佳的灵敏度和更低的孔间串扰。

一流的售后服务支持

GloMax系统提供全面的一年标准保修，对仪器或化学品有疑问，Promega的专家服务团队可以提供帮助。Promega提供全系列的附加服务产品，包括安装和操作认证 (Installation and Operation Qualification, IQ/OQ)。

选择最适合您需求的仪器

GloMax Discover和 Explorer提供了一系列检测模块选项，以后还可根据实验室需求的变化升级系统。

Model	Luminescence	Fluorescence	Visible Absorbance	UV-Visible Absorbance	BRET and FRET
GloMax® Explorer Model GM3510	✓	✓	Upgrade	Upgrade	Upgrade
GloMax® Explorer Model GM3500	✓	✓	✓	Upgrade	Upgrade
GloMax® Discover Model GM3000	✓	✓		✓	✓

即插即用并生成实验数据

GloMax检测系统让您能够轻松快速地设置实验

自动增益调整

GloMax系统为您提供优化的设置，无需担心手动调整发光读数的增益。

实验报告

与适当的实验室工作流程一起使用时，GloMax系统软件提供了符合part 11标准的系统的必需的技术元素（用户身份验证和授权，数据完整性和保护，电子签名和审计跟踪）。

最少的人工干预

自动滤光片切换允许您轻松进行多重检测，从单个孔中获得更多数据。通过触摸按钮就能完成细胞活力和基因报告活性分析。

数据分析

GloMax系统的SMART Protocols模块提供额外的数据分析选项。使用直观的预加载软件轻松测量和分析结果。



简便应用

自动滤镜插件

- 自动选择，无需用户干预
- 轻松进行BRET和FRET研究
- 可根据需要定制滤光片

灵活的接口

- 选择一个预加载的实验模板或自定义实验模板
- 设置样品布板图
- 在热图查看数据，快速判别实验趋势
- 轻松导出结果到本地网络，网络云，LIMS或任何驱动器



Heat Map Display.

Drag and Drop Protocols.



集成Promega的检测应用

GloMax检测系统的广泛分析范围、优越性能、高灵敏度、宽动态范围和低空间串扰，为研究提供更多有用的数据。

Promega开发和优化的实验模板

- 可使用50个预加载实验模仿，也可自定义个性化实验设置方案
- 优化设置以获得最佳结果，更快地生成数据
- 可直接调用的内置检测实验模板分为：
 - Nucleic acid quantitation for next-generation sequencing
 - BRET and FRET for protein interaction analysis
 - Kinase and cell signaling assays
 - Reporter gene assays
 - Multiplexing assays
 - Cell-based assays
 - Bioassays
 - ELISAs



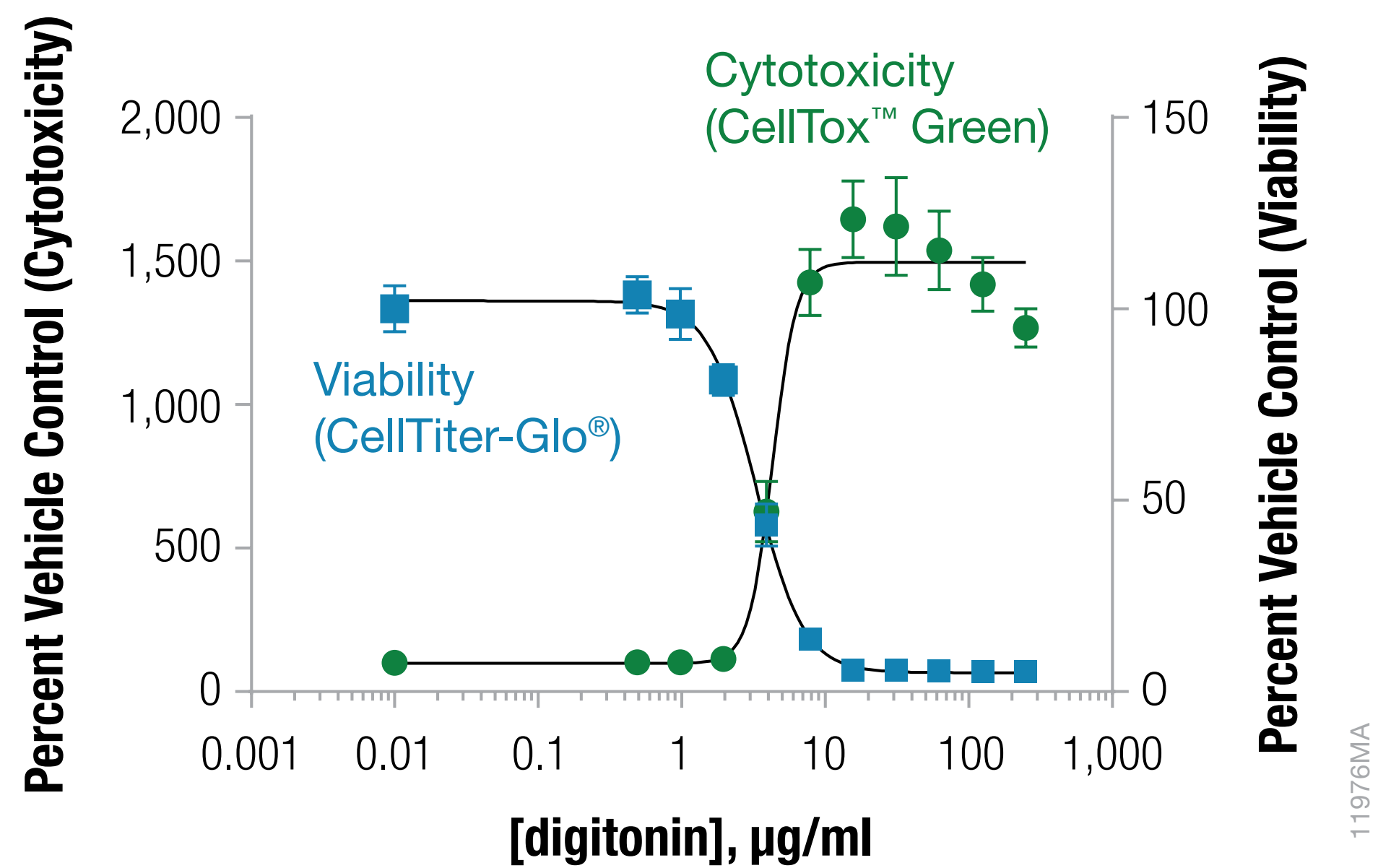
Select your protocol of interest from the preloaded list.



Versatility and Performance

多参数分析

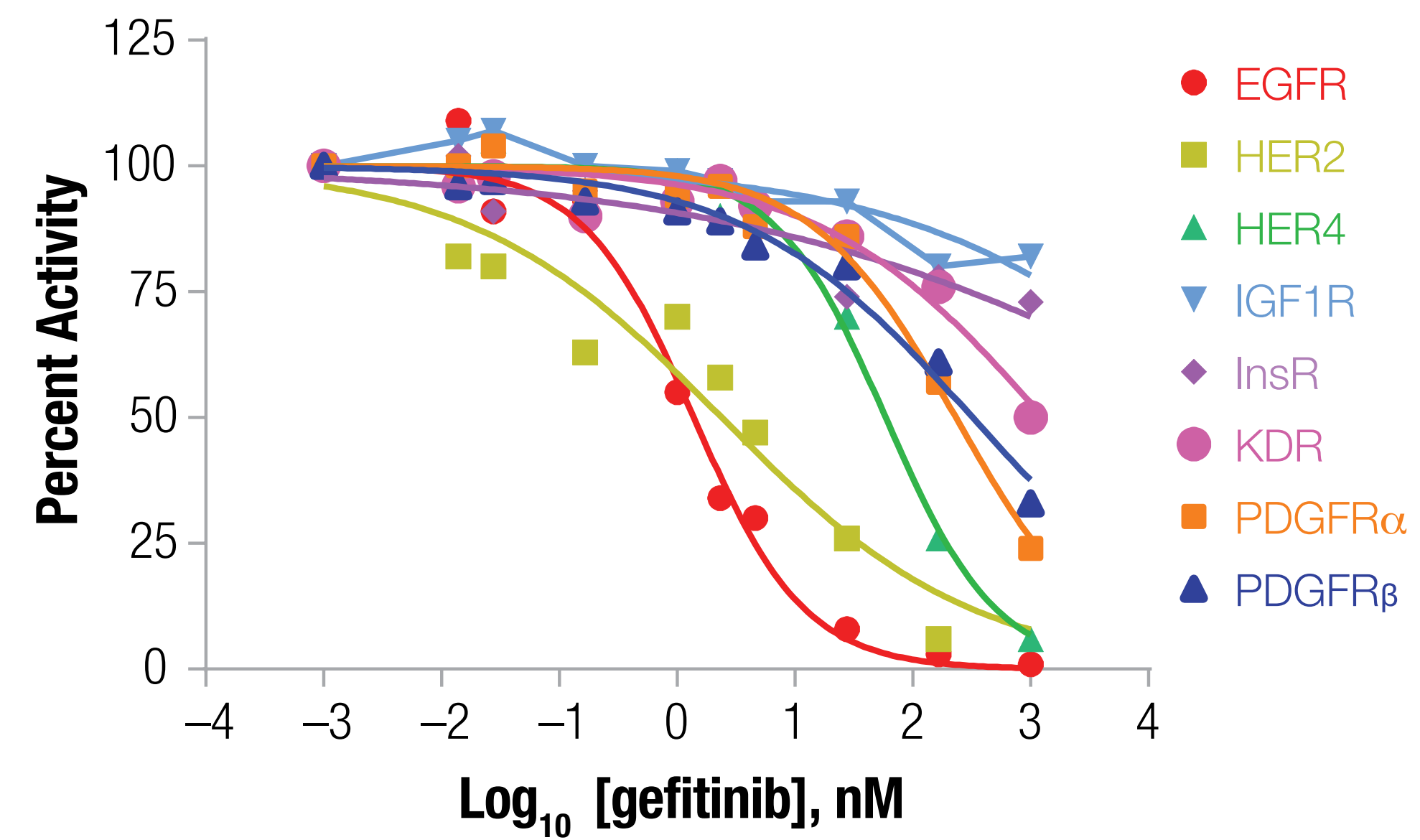
Easily read multiplexed cell viability, apoptosis and cytotoxicity assays.



Multiplexed cytotoxicity and viability assays performed on digitonin-treated K562 cells.

筛选激酶抑制剂

Efficiently read the output of kinase inhibitor screening and automatically analyze results.



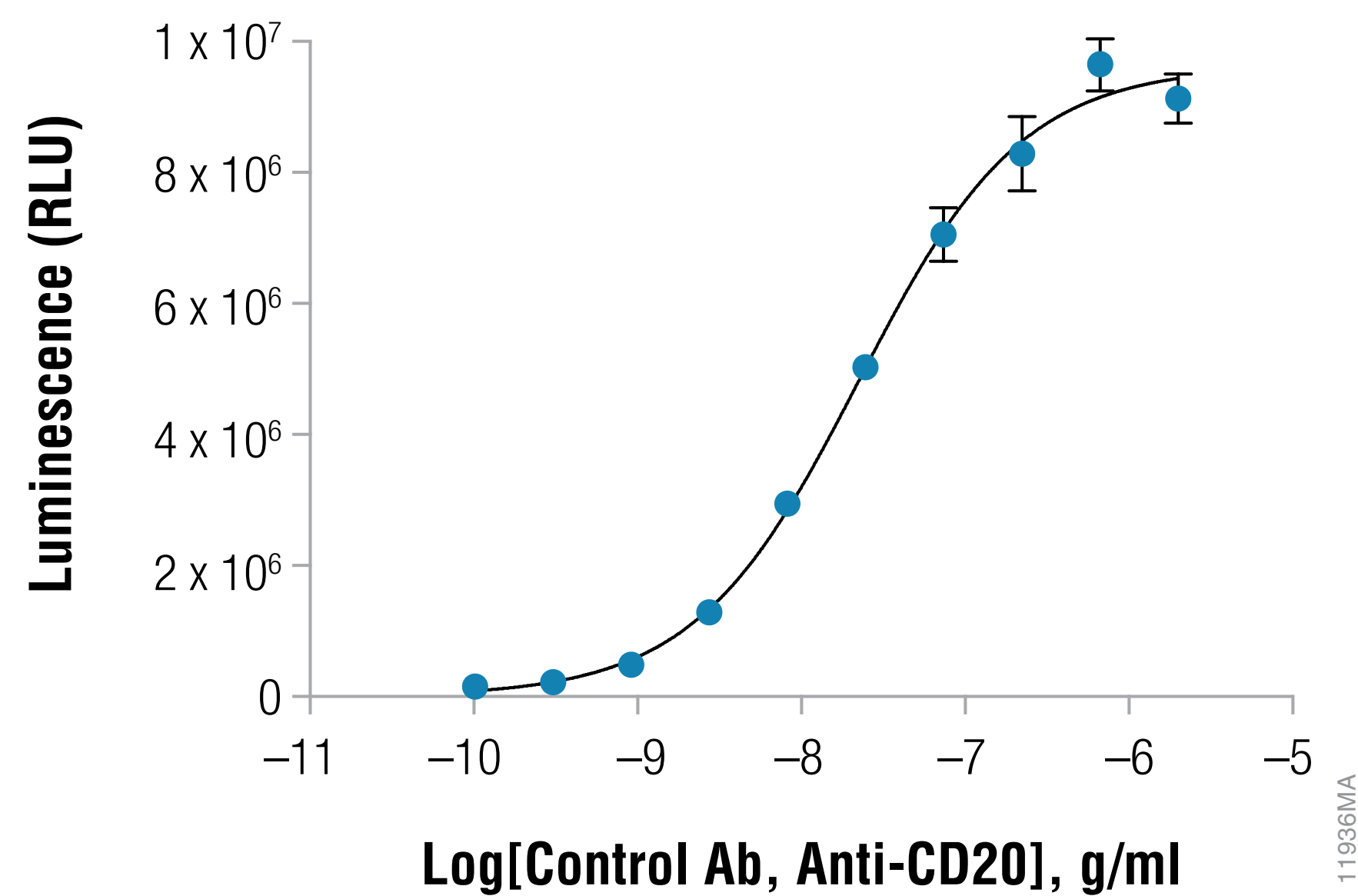
Receptor tyrosine kinase inhibition was assessed following incubation with gefitinib, a selective inhibitor of EGFR, using the ADP-Glo™ Kinase Assay.



State-of-the-Art Sensitivity

评估报告生物分析

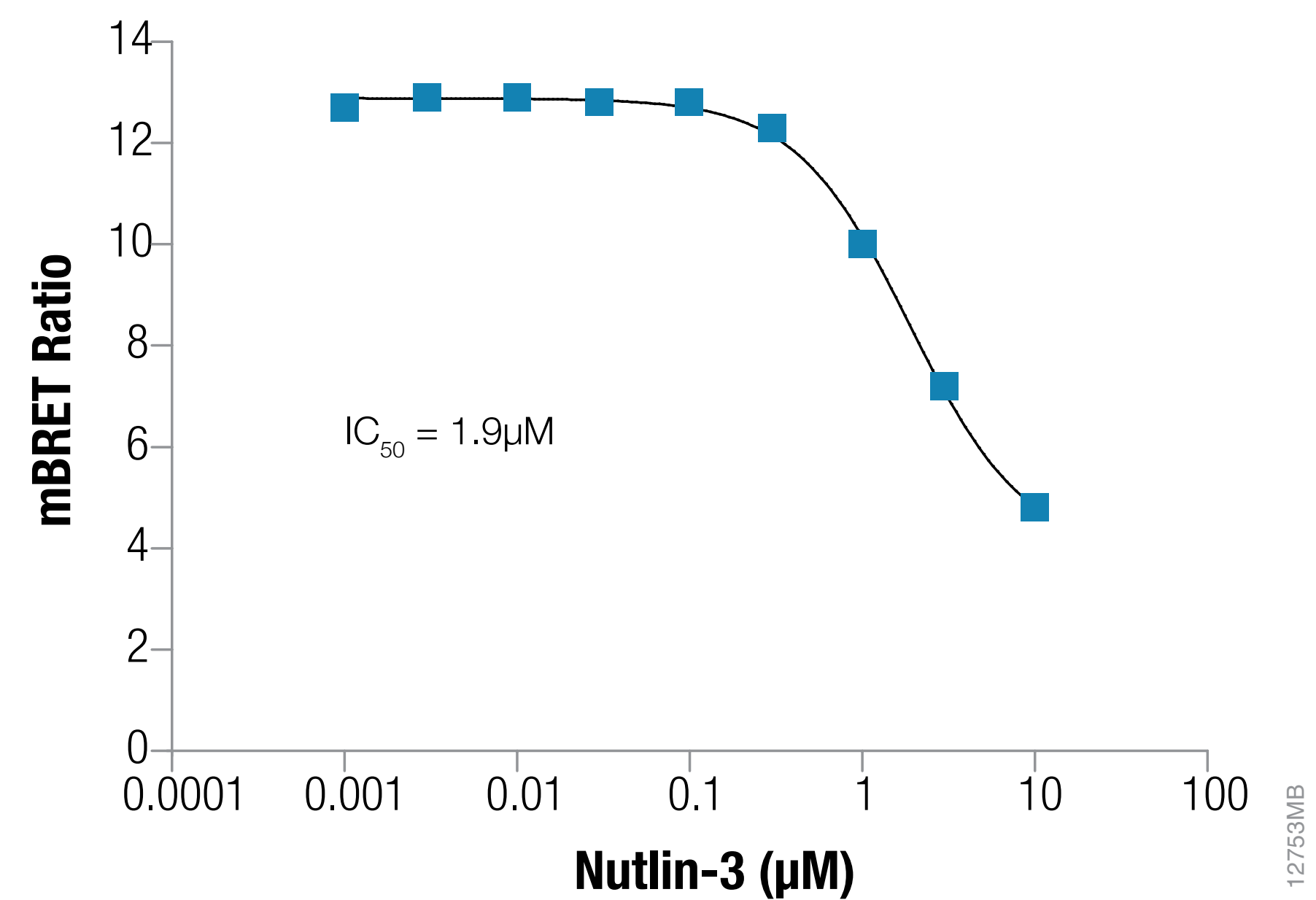
Detect luminescence from Promega bioassays and evaluate mAb activity.



ADCC Bioassay Target cells were incubated with a series of concentrations of Control Ab, Anti-CD20, followed by addition of ADCC Bioassay Effector Cells.

蛋白相互作用研究

Analyze the interaction of proteins using BRET.



A dose-response curve showing the disruption of the p53 and MDM2 interaction using the inhibitor Nutlin-3 in a NanoBRET™ assay.

灵活的工作流程

既可单独使用，又可作为自动化 workflow 的一部分使用。GloMax 检测系统可以在台面上使用，或集成到自动化 workflow 中，以实现更高处理通量和无人值守的自动化操作。

自动化准备就绪

GloMax 系统可由第三方软件控制，通过液体处理和平板叠板机，提供完整的自动化操作。该软件与 SiLA 兼容。

SiLA Rapid Integration®

第三方设备兼容性

Can be integrated with:

- Tecan Freedom EVO®
- Hudson Robotics Solo™
- PlateCraneEX™
- Hamilton Microlab® STAR series
- many other hardware systems



GloMax系统技术规格

Luminescence

- 低噪声PMT收集检测信号
- 灵敏度比竞争对手仪器高10 - 1000倍
- 无需稀释样品或管理增益设置
- 产生比竞争仪器多2-3个数量级的可用数据
- 用于滤光片发光的BRET读数或多波长区分（仅适用于GloMax Discover）或总发光的读数
- 更低串扰，提供更多可用数据
- F标配含5个用于BRET和过滤发光测定的滤光片，如NanoBRET，Renilla/YFP BRET和Chroma-Glo (for GloMax Discover only)
- 或根据需要自定义所有5个发光滤光片（仅适用于GloMax Discover）

Luminescence Module Specifications

Detector	Top-reading, head-on photon counting photomultiplier tube (PMT)
Wavelength Range	350–700nm
Detection Limit	3×10^{-21} moles of luciferase
Linear Dynamic Range	9 logs
Cross talk	Less than 3×10^{-5} (white, 96-well plate, Corning 3912)
Filtered Luminescence	GloMax [®] Discover: built-in filter paddle
Dynamic Range	9 logs
Sensitivity	3×10^{-21} moles of luciferase

GloMax系统技术规格

Fluorescence

- 使用强大的波长匹配发光二极管（LED）作为激发光源，与常用荧光分子的激发波长完美匹配，确保高灵敏度，减少非特异性漏光（使用广谱光源时的常见问题）
- 含五个激发和发射滤光片，用于常见的荧光测定;外加1个可自定义的激发和发射滤光片位置
- 或自定义两个荧光激发位置或所有6个发射位置

Fluorescence Module Specifications

Detector	PIN-photodiode
Light Source	Wavelength-matched LED
Read Position	Top reading
Wavelengths selection	Filter module with 5 standard excitation and emission filters. Empty filter positions are available for custom excitation and emission wavelengths.
Wavelengths included	UV (Ex: 365nm, Em: 415–445nm) Blue (Ex: 475nm, Em: 500–550nm) Green (Ex: 525nm, Em: 580–640nm) Red (Ex: 625nm, Em: 660–720nm) AFC (Ex: 405nm, Em: 495–505nm)
Detection Limit	2fmol fluorescein/200µl
Linear Dynamic Range	>6 logs (assay dependent)

GloMax系统技术规格

Absorbance

- GloMax Discover出厂预装9个紫外-可见光滤光片，用于常见的比色分析
- GloMax Explorer GM3500出厂预装5个可见光吸光度滤光片
- ELISA、蛋白质和核酸检测的理想选择

UV-Visible Absorbance Module Specifications

Detector	Top-reading, head-on photon counting photomultiplier tube (PMT)
Light Source	Xenon flash lamp
Spectra Range	200–600nm
Filter Wheel	GloMax [®] Discover: 9 absorbance filters included GloMax [®] Explorer: 5 absorbance filters
Wavelengths included	GloMax [®] Discover: 230, 260, 280, 320, 405, 450, 490, 560 and 600nm 10nm bandwidth GloMax [®] Explorer: 405, 450, 490, 560 and 600nm 10nm bandwidth
Detection Limit	0.1 O.D.
Dynamic Range	0–4.0 O.D.

订购信息

Product	Size	Cat.#
GloMax [®] Discover System <i>Configured with Luminescence, Fluorescence and UV-Visible Absorbance</i>	1 each	GM3000*
GloMax [®] Explorer System <i>Configured with Luminescence, Fluorescence and Absorbance</i>	1 each	GM3500*
GloMax [®] Explorer System <i>Configured with Luminescence and Fluorescence</i>	1 each	GM3510*

*Comes with U.S. Instrument and Tablet PC power cords.

附件和升级包

Product	Size	Cat.#
GloMax [®] Dual Injectors with Pump Station	1 each	GM3030
GloMax [®] Discover Luminescence Filter Paddle	1 each	GM3011
GloMax [®] Discover Fluorescence Filter Paddle	1 each	GM3012
GloMax [®] Discover Inner and Outer Injector Tubing, Natural	1 each	GM3014
GloMax [®] Discover Inner and Outer Injector Tubing, Black	1 each	GM3015
GloMax [®] Explorer Visible Absorbance Module Upgrade	1 each	GM3520
GloMax [®] Explorer GM3500 Upgrade to GloMax [®] Discover GM3000 <i>(only available for GM3500 model)</i>	1 each	GM3530
GloMax [®] Explorer GM3510 Upgrade to GloMax [®] Discover GM3000 <i>(only available for GM3510 model)</i>	1 each	GM3540

Products may be covered by pending or issued patents or may have certain limitations. Please visit our Web site for more information.

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