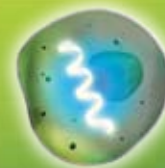


Signal™ Reporter Assay System

Cell-Based Assays for Rapidly Analyzing Pathway Signaling Activity



Signal Reporter Assays and Arrays

The Signal Reporter Assay System provides a comprehensive solution for monitoring diverse cell signaling pathways. The Signal reporter assays provide a rapid, sensitive, and quantitative assessment of signal transduction pathway activation by measuring the activities of downstream transcription factors, using either dual-luciferase or green fluorescent protein (GFP) reporter systems. Every reporter assay is individually engineered to exhibit outstanding sensitivity, specificity, and signal-to-noise ratio. The Signal Reporters are available as single pathway assays or as 10-pathway arrays, allowing you to monitor an individual pathway or obtain a comprehensive view of multiple pathways involved in a biological process. These reporter assays are valuable tools for understanding gene function, as well as determining the mechanisms of action of proteins, peptides, and small molecule compounds.



LUCIFERASE REPORTER ASSAYS

Exceptional Sensitivity, Reproducibility, Specificity, and Signal to Noise Ratio



GFP REPORTER ASSAYS

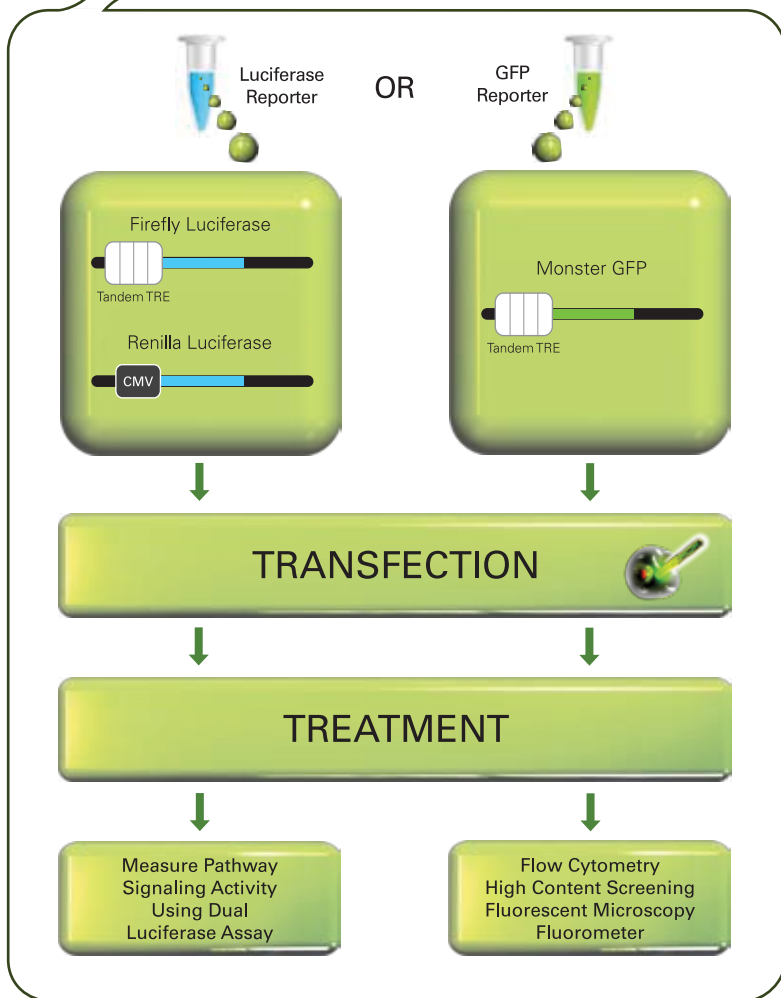
Single Cell Resolution; Real-time Live Cell Quantification



SIGNAL FINDER™ ARRAYS (LUCIFERASE)

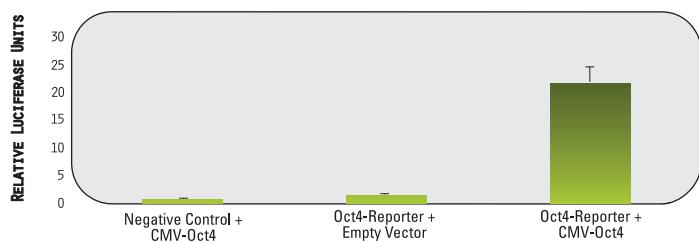
Systematically Study Pathway Interactions with Application-Focused Signal Finder 10-Pathway Arrays

HOW SIGNAL REPORTER ASSAYS WORK

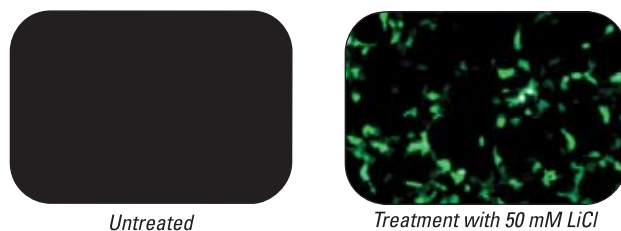


PERFORMANCE: Signal Reporters for Monitoring Oct4 and Wnt Pathway Activation Using Luciferase or GFP

DUAL-LUCIFERASE ASSAY FOR MEASURING OCT4 ACTIVITY



GFP DYNAMIC ACTIVATION USING TCF/LEF-GFP



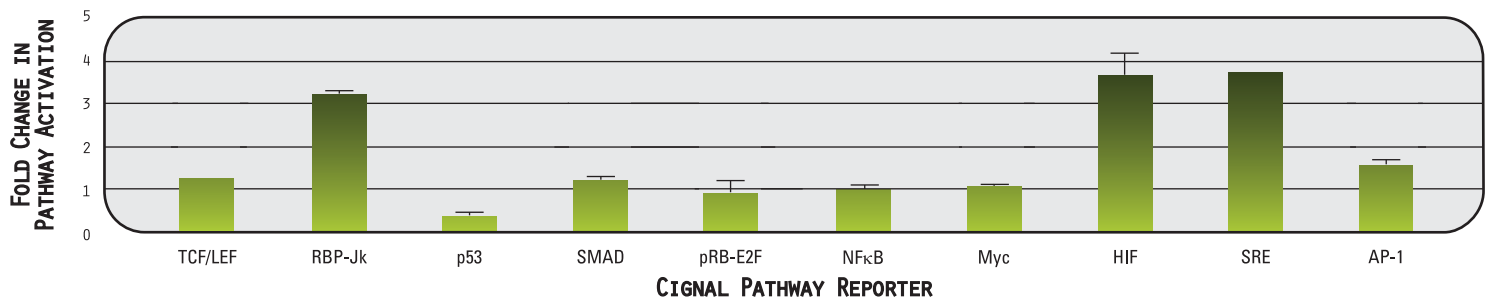
TEL: 301.682.9200

FAX: 301.682.7300

SABiosciences™
A QIAGEN Company

APPLICATION EXAMPLE: CIGNAL FINDER™ CANCER 10-PATHWAY REPORTER ARRAY

IMPACT OF P53 siRNA TREATMENT



Inhibition of the p53 signaling pathway by p53 siRNA treatment results in activation of the Notch, Hypoxia, and MAPK/ERK pathways.

CIGNAL REPORTER ASSAY SYSTEM:

	PRODUCT	TUBE*	3-PLATES	12-PLATES
Signal Finder Reporter Arrays	Cancer 10-Pathway Array	CCA-001L	CCA-101L-3	CCA-101L-12
	Immune Response 10-Pathway Array	CCA-002L	CCA-102L-3	CCA-102L-12
	Development 10-Pathway Array	CCA-003L	CCA-103L-3	CCA-103L-12
	Toxicity 10-Pathway Array	CCA-004L	CCA-104L-3	CCA-104L-12

	PATHWAY	TRANSCRIPTION FACTOR	LUCIFERASE**	GFP**
Popular Signal Reporter Assay Kits and REQUIRED Accessory	Androgen	AR	CCS-1019L	
	Antioxidant Response	Nrf2/Nrf1	CCS-5020L	
	cAMP/PKA	CREB	CCS-002L	CCS-002G
	c-Myc	Myc/Max	CCS-012L	
	DNA Damage	p53	CCS-004L	
	ER Stress	CBF/NF-Y/YY1	CCS-2032L	
	Hedgehog	Gli	CCS-6030L	
	Hypoxia	HIF1	CCS-007L	
	MAPK/ERK	SRF/Elk-1	CCS-010L	CCS-010G
	MAPK/JNK	AP-1	CCS-011L	CCS-011G
	NFκB	NFκB	CCS-013L	CCS-013G
	Notch	RBP-Jk	CCS-014L	
	Oct4	Oct4	CCS-0025L	
	PI3K/Akt	FOXO	CCS-1022L	
	PPAR	PPAR	CCS-3026L	
	STAT3	STAT3	CCS-9028L	
	TGFβ	SMAD2/3/4	CCS-017L	CCS-017G
	Wnt	TCF/LEF	CCS-018L	CCS-018G

SureFECT™ Transfection Reagent SA-01

For a current and complete listing of all Cignal Reporter products, please visit: <http://www.SABiosciences.com/reporterproductList.php>

* Each tube contains 50 µL of each Cignal Reporter or control assay (10 reporters + negative and positive controls)

** One kit provides sufficient reagents for 500 assays (10,000-20,000 cells per assay), based on optimized reverse transfection conditions developed using the SureFECT transfection reagent and HEK293 H cells.

*** One vial provides sufficient reagent for 1,400 assays (10,000-20,000 cells per assay), based on optimized reverse transfection conditions for HEK293 H cells, (enough for 12 96-well plates).

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