

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
1	1	1	1	1	MAP Kinase (ERK-1)		
2	1	1	1	2	MAP Kinase (ERK-1)		
3	1	1	1	3	MAP Kinase (ERK-1, ERK-2)		
4	1	1	1	4	MAP Kinase (ERK-1, ERK-2)		
5	1	1	2	1	MAP Kinase, Non-Phosphorylated ERK		
6	1	1	2	2	MAP Kinase, Non-Phosphorylated ERK		
7	1	1	2	3	MAP Kinase, Activated Protein Kinase-2 (MAPKAPK-2)		
8	1	1	2	4	MAP Kinase, Activated Protein Kinase-2 (MAPKAPK-2)		
9	1	1	3	1	MAP Kinase, Monophosphorylated Threonine		
10	1	1	3	2	MAP Kinase, Monophosphorylated Threonine		
11	1	1	3	3	MAP Kinase, Activated/Monophosphorylated		
12	1	1	3	4	MAP Kinase, Activated/Monophosphorylated		
13	1	1	4	1	MAP Kinase Kinase 4		
14	1	1	4	2	MAP Kinase Kinase 4		
15	1	1	4	3	BSA		
16	1	1	4	4	Positive		
17	1	2	1	1	MAP Kinase, Monophosphorylated Tyrosine		
18	1	2	1	2	MAP Kinase, Monophosphorylated Tyrosine		
19	1	2	1	3	MAP Kinase Phosphatase-1 (MKP-1)		
20	1	2	1	4	MAP Kinase Phosphatase-1 (MKP-1)		
21	1	2	2	1	MAP Kinase, Activated (Diphosphorylated ERK-1&2)		
22	1	2	2	2	MAP Kinase, Activated (Diphosphorylated ERK-1&2)		
23	1	2	2	3	MAP Kinase 2 (ERK-2)		
24	1	2	2	4	MAP Kinase 2 (ERK-2)		
25	1	2	3	1	MAP Kinase Kinase		
26	1	2	3	2	MAP Kinase Kinase		
27	1	2	3	3	p38 MAP Kinase, Non-Activated		
28	1	2	3	4	p38 MAP Kinase, Non-Activated		

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
29	1	2	4	1	p38 MAP Kinase		
30	1	2	4	2	p38 MAP Kinase		
31	1	2	4	3	BSA		
32	1	2	4	4	Positive		
33	1	3	1	1	p38 MAP Kinase, Activated (Diphosphorylated p38)		
34	1	3	1	2	p38 MAP Kinase, Activated (Diphosphorylated p38)		
35	1	3	1	3	S6 Kinase		
36	1	3	1	4	S6 Kinase		
37	1	3	2	1	Protein Kinase C α		
38	1	3	2	2	Protein Kinase C α		
39	1	3	2	3	Protein Kinase C		
40	1	3	2	4	Protein Kinase C		
41	1	3	3	1	Protein Kinase C β 1		
42	1	3	3	2	Protein Kinase C β 1		
43	1	3	3	3	Protein Kinase C β 1		
44	1	3	3	4	Protein Kinase C β 1		
45	1	3	4	1	Protein Kinase C δ		
46	1	3	4	2	Protein Kinase C δ		
47	1	3	4	3	BSA		
48	1	3	4	4	Positive		
49	1	4	1	1	Protein Kinase C β 2		
50	1	4	1	2	Protein Kinase C β 2		
51	1	4	1	3	Protein Kinase C β 2		
52	1	4	1	4	Protein Kinase C β 2		
53	1	4	2	1	Protein Kinase C γ		
54	1	4	2	2	Protein Kinase C γ		
55	1	4	2	3	Protein Kinase C γ		
56	1	4	2	4	Protein Kinase C γ		

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
57	1	4	3	1	Protein Kinase C ϵ		
58	1	4	3	2	Protein Kinase C ϵ		
59	1	4	3	3	Protein Kinase C ζ		
60	1	4	3	4	Protein Kinase C ζ		
61	1	4	4	1	Protein Kinase C η		
62	1	4	4	2	Protein Kinase C η		
63	1	4	4	3	BSA		
64	1	4	4	4	Positive		
65	2	1	1	1	c-Jun N-Terminal Kinase		
66	2	1	1	2	c-Jun N-Terminal Kinase		
67	2	1	1	3	JNK, Activated (Diphosphorylated JNK)		
68	2	1	1	4	JNK, Activated (Diphosphorylated JNK)		
69	2	1	2	1	phospho-c-Jun (pSer63)		
70	2	1	2	2	phospho-c-Jun (pSer63)		
71	2	1	2	3	phospho-c-Jun (pSer73)		
72	2	1	2	4	phospho-c-Jun (pSer73)		
73	2	1	3	1	AP-1		
74	2	1	3	2	AP-1		
75	2	1	3	3	Protein Phosphatase 1 α		
76	2	1	3	4	Protein Phosphatase 1 α		
77	2	1	4	1	Phospholipase A2,Secretory Group V		
78	2	1	4	2	Phospholipase A2,Secretory Group V		
79	2	1	4	3	BSA		
80	2	1	4	4	Positive		
81	2	2	1	1	Phospholipase C γ 1 (PLC γ 1)		
82	2	2	1	2	Phospholipase C γ 1 (PLC γ 1)		
83	2	2	1	3	c-erbB-2		
84	2	2	1	4	c-erbB-2		

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
85	2	2	2	1	c-erbB-3		
86	2	2	2	2	c-erbB-3		
87	2	2	2	3	c-erbB-4		
88	2	2	2	4	c-erbB-4		
89	2	2	3	1	Phosphoserine		
90	2	2	3	2	Phosphoserine		
91	2	2	3	3	Phosphotyrosine		
92	2	2	3	4	Phosphotyrosine		
93	2	2	4	1	Phosphothreonine		
94	2	2	4	2	Phosphothreonine		
95	2	2	4	3	BSA		
96	2	2	4	4	Positive		
97	2	3	1	1	ERK5		
98	2	3	1	2	ERK5		
99	2	3	1	3	Phosphatidylinositol 3-Kinase (PI 3-Kinase, p85a)		
100	2	3	1	4	Phosphatidylinositol 3-Kinase (PI 3-Kinase, p85a)		
101	2	3	2	1	RAF1		
102	2	3	2	2	RAF1		
103	2	3	2	3	RAF1		
104	2	3	2	4	RAF1		
105	2	3	3	1	Vascular Endothelial Growth Factor Receptor-1		
106	2	3	3	2	Vascular Endothelial Growth Factor Receptor-1		
107	2	3	3	3	Estrogen receptor		
108	2	3	3	4	Estrogen receptor		
109	2	3	4	1	Epidermal Growth Factor Receptor		
110	2	3	4	2	Epidermal Growth Factor Receptor		
111	2	3	4	3	BSA		
112	2	3	4	4	Positive		

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
113	2	4	1	1	ATF-1		
114	2	4	1	2	ATF-1		
115	2	4	1	3	ATF-2		
116	2	4	1	4	ATF-2		
117	2	4	2	1	phospho-ATF-2 (pThr69,71)		
118	2	4	2	2	phospho-ATF-2 (pThr69,71)		
119	2	4	2	3	RSK1		
120	2	4	2	4	RSK1		
121	2	4	3	1	SH-PTP2 (SHP-2)		
122	2	4	3	2	SH-PTP2 (SHP-2)		
123	2	4	3	3	c-CBL		
124	2	4	3	4	c-CBL		
125	2	4	4	1	GAPDH		
126	2	4	4	2	GAPDH		
127	2	4	4	3	BSA		
128	2	4	4	4	Positive		
129	3	1	1	1	Grb-2		
130	3	1	1	2	Grb-2		
131	3	1	1	3	MCL-1		
132	3	1	1	4	MCL-1		
133	3	1	2	1	p130cas		
134	3	1	2	2	p130cas		
135	3	1	2	3	SIRP α 1		
136	3	1	2	4	SIRP α 1		
137	3	1	3	1	Sos1		
138	3	1	3	2	Sos1		
139	3	1	3	3	Crk-L		
140	3	1	3	4	Crk-L		

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
141	3	1	4	1	KSR		
142	3	1	4	2	KSR		
143	3	1	4	3	BSA		
144	3	1	4	4	Positive		
145	3	2	1	1	ILK		
146	3	2	1	2	ILK		
147	3	2	1	3	ILK		
148	3	2	1	4	ILK		
149	3	2	2	1	SAPK3		
150	3	2	2	2	SAPK3		
151	3	2	2	3	SKK2 (SAPKK2, MKK3, MEK3)		
152	3	2	2	4	SKK2 (SAPKK2, MKK3, MEK3)		
153	3	2	3	1	serine/threonin protein phosphatase 2A/B' pan 2		
154	3	2	3	2	serine/threonin protein phosphatase 2A/B' pan 2		
155	3	2	3	3	MEKK4		
156	3	2	3	4	MEKK4		
157	3	2	4	1	serine/threonin protein phosphatase 2C α / β		
158	3	2	4	2	serine/threonin protein phosphatase 2C α / β		
159	3	2	4	3	BSA		
160	3	2	4	4	Positive		
161	3	3	1	1	CRK- II		
162	3	3	1	2	CRK- II		
163	3	3	1	3	Protein Tyrosine Phosphatase PEST		
164	3	3	1	4	Protein Tyrosine Phosphatase PEST		
165	3	3	2	1	serine/threonin protein phosphatase 1/ β		
166	3	3	2	2	serine/threonin protein phosphatase 1/ β		
167	3	3	2	3	serine/threonin protein phosphatase 1 γ 1		
168	3	3	2	4	serine/threonin protein phosphatase 1 γ 1		

Worksheet for Data Analysis & Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy5 Signal Value (arbitrary Units)
169	3	3	3	1	serine/threonin protein phosphatase 2A/A		
170	3	3	3	2	serine/threonin protein phosphatase 2A/A		
171	3	3	3	3	serine/threonin protein phosphatase 2A/B α		
172	3	3	3	4	serine/threonin protein phosphatase 2A/B α		
173	3	3	4	1	serine/threonin protein phosphatase 2A/B γ		
174	3	3	4	2	serine/threonin protein phosphatase 2A/B γ		
175	3	3	4	3	BSA		
176	3	3	4	4	Positive		
177	3	4	1	1	Pan Cadherin		
178	3	4	1	2	Pan Cadherin		
179	3	4	1	3	Pan Cytokeratin		
180	3	4	1	4	Pan Cytokeratin		
181	3	4	2	1	β Tubulin I		
182	3	4	2	2	β Tubulin I		
183	3	4	2	3	Fibronectin		
184	3	4	2	4	Fibronectin		
185	3	4	3	1	Ezrin		
186	3	4	3	2	Ezrin		
187	3	4	3	3	β Actin		
188	3	4	3	4	β Actin		
189	3	4	4	1	Cytokeratin pep.19		
190	3	4	4	2	Cytokeratin pep.19		
191	3	4	4	3	Positive		
192	3	4	4	4	Positive		