



# CODEPLEX

With high-plex walk-away immunoassays, unleash super-powered and super-automated multiplexed proteomics in very low sample volumes to access insights right away. With a faster and more streamlined approach to generating multiplexed bulk cytokine data via a fully automated workflow, CodePlex offers a modular solution to bulk cytokine data analysis and minimizes variability from user input.

### Panel Menu

CXCL5, EGF, GM-CSF, Granzyme B, IFN- $\gamma$ , IL-1 $\alpha$ , IL-1 $\beta$ , IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-12, IL-13, IL-15, IL-17A, IP-10, KC, MCP-1, MIF, MIP-1 $\alpha$ , MIP-1 $\beta$ , PDGF-BB, Perforin, RANTES, sCD137, TNF- $\alpha$ , TNF- $\beta$ , VEGF

### Human Adaptive Immune

GM-CSF, Granzyme B, IFN- $\gamma$ , IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-13, IL-15, IL-17A, IP-10, MCP-1, MIP-1 $\alpha$ , MIP-1 $\beta$ , Perforin, sCD137, TNF- $\alpha$ , TNF- $\beta$

### Mouse Adaptive Immune

GM-CSF, IFN- $\gamma$ , IL-1 $\beta$ , IL-2, IL-4, IL-5, IL-6, IL-10, IL-12, IL-17A, IP-10, KC, MCP-1, MIP-1 $\alpha$ , RANTES, TNF- $\alpha$

### Human Innate Immune

EGF, GM-CSF, Granzyme B, IFN- $\gamma$ , IL-1 $\beta$ , IL-4, IL-6, IL-7, IL-8, IL-10, IL-15, IP-10, MCP-1, MIP-1 $\alpha$ , MIP-1 $\beta$ , PDGF-BB, sCD137, TNF- $\alpha$ , VEGF

### Mouse Innate Immune

IFN- $\gamma$ , TNF- $\alpha$ , MIP-1 $\alpha$ , IL-15, GM-CSF, IL-5, IL-10, IL-13, IL-6, IL-17A, MCP-1, IP-10, MIP-1 $\beta$ , EGF, PDGF-BB, MIF

### Mouse Inflammation

IFN- $\gamma$ , TNF- $\alpha$ , MIP-1 $\alpha$ , IL-2, IL-5, IL-10, IL-13, IL-4, IL-6, IL-1 $\beta$ , IL-17A, IL-12, MCP-1, IP-10, KC, GM-CSF

### Human Cytokine Storm\*

GM-CSF, IFN- $\gamma$ , IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-13, IL-17A, IP-10, MCP-1, MIP-1 $\alpha$ , MIP-1 $\beta$ , Perforin, TNF- $\alpha$

### Human Stem Cell Signaling\*

IL-17A, MIP-1 $\alpha$ , IL-6, IL-4, MIP-1 $\beta$ , IL-8, IFN- $\gamma$ , GM-CSF, IL-10, TNF- $\alpha$ , MCP-1, IL-2, IL-15, RANTES, IL-1 $\alpha$ , IL-1 $\beta$ , CXCL5

### Human Cancer Signaling\*

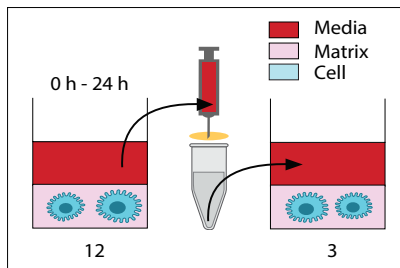
EGF, IFN- $\gamma$ , IL-1 $\alpha$ , IL-1 $\beta$ , IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-10, IL-13, MCP-1, MIF, PDGF-BB, RANTES, TNF- $\alpha$



Includes **abcam** antibodies

\*Limited Quantities

## Secreted Cytokines Promote Tumor Metastasis



HT1080WT							
	10	20	50	100	200	150	R <sup>2</sup>
EGF							0.07
FGF							0.01
HGF							0.01
VEGF							0.40
PDGF							0.02
MIF							0.82
MCP1							0.09
RANTES							0.57
MIP1a							0.01
IFN $\gamma$							0.17
TNF $\alpha$							0.22
TNF $\beta$							0.68
GMCSF							0.01
IL1a							0.17
IL1b							0.10
IL2							0.09
IL4							0.14
IL5							0.34
IL6							0.85
IL8							0.83
IL10							0.00
IL12							0.03
IL13							0.25
FITC							0.41
0							57.7AU

MDA-MB-231					
	10	20	50	100	R <sup>2</sup>
EGF					0.91
FGF					0.86
HGF					0.03
VEGF					0.53
PDGF					0.06
MIF					0.27
MCP1					0.11
RANTES					0.00
MIP1a					0.00
IFN $\gamma$					0.00
TNF $\alpha$					0.38
TNF $\beta$					0.93
GMCSF					0.60
IL1a					0.11
IL1b					0.02
IL2					0.39
IL4					0.21
IL5					0.61
IL6					0.99
IL8					0.92
IL10					0.00
IL12					0.30
IL13					0.40
FITC					0.24
0					8.9AU

CodePlex revealed a possible mechanism promoting tumor cell migration while inferring an approach to reduce metastatic capability of tumor cells.

Jayatilaka H, et al. Synergistic IL-6 and IL-8 paracrine signalling pathway infers a strategy to inhibit tumour cell migration. Nature Communications 8: 15584, 2017

PANELS - ISOLIGHT	PRODUCT CODE
CodePlex Adaptive Immune Panel – (H) 1	PANEL-2L01-1
CodePlex Adaptive Immune Panel – (H) 4	PANEL-2L01-4
CodePlex Adaptive Immune Panel – (H) 8	PANEL-2L01-8
CodePlex Adaptive Immune Panel – (M) 1	PANEL-2L04-1
CodePlex Adaptive Immune Panel – (M) 4	PANEL-2L04-4
CodePlex Adaptive Immune Panel – (M) 8	PANEL-2L04-8
CodePlex Innate Immune Panel – (H) 1	PANEL-2L03-1
CodePlex Innate Immune Panel – (H) 4	PANEL-2L03-4
CodePlex Innate Immune Panel – (H) 8	PANEL-2L03-8
CodePlex Innate Immune Panel – (M) 1	PANEL-2L12-1
CodePlex Innate Immune Panel – (M) 4	PANEL-2L12-4
CodePlex Innate Immune Panel – (M) 8	PANEL-2L12-8
CodePlex Inflammation Panel – (M) 1	PANEL-2L10-1
CodePlex Inflammation Panel – (M) 4	PANEL-2L10-4
CodePlex Inflammation Panel – (M) 8	PANEL-2L10-8

CODEPLEX CHIPS - ISOLIGHT	PRODUCT CODE
Codeplex Loading Training Chip	CODEPLEX-2100-1
CodePlex Adaptive Immune Chip – (H) 1	CODEPLEX-2L01-1
CodePlex Adaptive Immune Chip – (H) 4	CODEPLEX-2L01-4
CodePlex Adaptive Immune Chip – (H) 8	CODEPLEX-2L01-8
CodePlex Adaptive Immune Chip – (M) 1	CODEPLEX-2L04-1
CodePlex Adaptive Immune Chip – (M) 4	CODEPLEX-2L04-4
CodePlex Adaptive Immune Chip – (M) 8	CODEPLEX-2L04-8
CodePlex Innate Immune Chip – (H) 1	CODEPLEX-2L03-1
CodePlex Innate Immune Chip – (H) 4	CODEPLEX-2L03-4
CodePlex Innate Immune Chip – (H) 8	CODEPLEX-2L03-8
CodePlex Inflammation Chip – (M) 1	CODEPLEX-2L10-1
CodePlex Inflammation Chip – (M) 4	CODEPLEX-2L10-4
CodePlex Inflammation Chip – (M) 8	CODEPLEX-2L10-8

PANELS - ISOSPARK	PRODUCT CODE
CodePlex Adaptive Immune Panel – (H) 1	S-PANEL-2L01-1
CodePlex Adaptive Immune Panel – (H) 4	S-PANEL-2L01-4
CodePlex Adaptive Immune Panel – (M) 1	S-PANEL-2L04-1
CodePlex Adaptive Immune Panel – (M) 4	S-PANEL-2L04-4
CodePlex Innate Immune Panel – (H) 1	S-PANEL-2L03-1
CodePlex Innate Immune Panel – (H) 4	S-PANEL-2L03-4
CodePlex Innate Immune Panel – (M) 1	S-PANEL-2L12-1
CodePlex Innate Immune Panel – (M) 4	S-PANEL-2L12-4
CodePlex Inflammation Panel – (M) 1	S-PANEL-2L10-1
CodePlex Inflammation Panel – (M) 4	S-PANEL-2L10-4

CODEPLEX CHIPS - ISOSPARK	PRODUCT CODE
Codeplex Loading Training Chip	CODEPLEX-2100-1
CodePlex Adaptive Immune Chip – (H) 1	CODEPLEX-2L01-1
CodePlex Adaptive Immune Chip – (H) 4	CODEPLEX-2L01-4
CodePlex Adaptive Immune Chip – (M) 1	CODEPLEX-2L04-1
CodePlex Adaptive Immune Chip – (M) 4	CODEPLEX-2L04-4
CodePlex Innate Immune Chip – (H) 1	CODEPLEX-2L03-1
CodePlex Innate Immune Chip – (H) 4	CODEPLEX-2L03-4
CodePlex Inflammation Chip – (M) 1	CODEPLEX-2L10-1
CodePlex Inflammation Chip – (M) 4	CODEPLEX-2L10-4

## RESEARCH AREAS

- Cancer Immunology
- Cell Therapy
- Infectious Disease
- Inflammation
- Targeted Therapies