

## Human

### Cancer

#### Human Phospho-RTK Array Kit (49 analyte, ARY001B)

|           |                 |             |               |             |           |       |          |             |
|-----------|-----------------|-------------|---------------|-------------|-----------|-------|----------|-------------|
| ALK/CD246 | Axl             | DDR1        | DDR2          | Dtk         | EGF R     | EphA1 | EphA2    | EphA3       |
| EphA4     | EphA5           | EphA6       | EphA7         | EphA10      | EphB1     | EphB2 | EphB3    | HGF R/c-MET |
| IGF-1 R   | Insulin R/CD220 | M-CSF R     | EphB4         | EphB6       | ErbB2     | ErbB3 | ErbB4    | FGF R1      |
| FGF R2 α  | FGF R3          | FGF R4      | Flt-3/Flk-2   | Mer         | MSP R/Ron | MuSK  | PDGF R α | PDGF R β    |
| c-Ret     | ROR1            | ROR2        | Ryk           | SCF R/c-kit | Tie-1     | Tie-2 | TrkA     | TrkB        |
| TrkC      | VEGF R1/Flt-1   | VEGF R2/KDR | VEGF R3/Flt-4 |             |           |       |          |             |

#### Human Phospho-Kinase Array Kit (39 analytes, ARY003C)

|                    |                           |                           |                      |                  |                               |                                  |              |              |
|--------------------|---------------------------|---------------------------|----------------------|------------------|-------------------------------|----------------------------------|--------------|--------------|
| Akt 1/2/3 (T308)   | Akt 1/2/3 (S473)          | CREB (S133)               | EGF R (Y1068)        | eNOS (S1177)     | ERK1/2 (T202/Y204, T185/Y187) | Chk-2 (T68)                      | c-Jun (S63)  | Fgr (Y412)   |
| GSK-3α/β (S21/S9)  | GSK-3β (S9)               | HSP27 (S78/S82)           | p53 (S15)            | p53 (S46)        | p53 (S392)                    | JNK 1/2/3 (T183/Y185, T221/Y223) | Lck (Y394)   | Lyn (Y397)   |
| MSK1/2 (S376/S360) | p70 S6 Kinase (T389)      | p70 S6 Kinase (T421/S424) | PRAS40 (T246)        | p38α (T180/Y182) | PDGF Rβ (Y751)                | PLC-γ1 (Y783)                    | Src (Y419)   | PYK2 (Y402)  |
| RSK1/2 (S221/S227) | RSK1/2/3 (S380/S386/S377) | STAT2 (Y689)              | STAT5a/b (Y694/Y699) | WNK1 (T60)       | Yes (Y426)                    | STAT1 (Y701)                     | STAT3 (Y705) | STAT3 (S727) |
| β-Catenin          | STAT6 (Y641)              | HSP60                     |                      |                  |                               |                                  |              |              |

#### Human NFκB Pathway Array Kit (41 analytes, ARY029)

|                |           |              |                  |                  |                  |                  |                   |                 |
|----------------|-----------|--------------|------------------|------------------|------------------|------------------|-------------------|-----------------|
| ASC            | BCL10     | CARD6        | CD40/TNFRSF5     | clAP1/BIRC2      | clAP2/BIRC3      | FADD/MORT1       | IκBα              | IκBε            |
| IKK1/IKKα/CHUK | IKK2/IKKβ | IKKγ/NEMO    | IL-1 RI          | IL-17 RA         | IL-18 Rα         | IRAK1            | IRF5              | IRF8            |
| JNK1/2         | JNK2      | LTBR/TNFRSF3 | Metadherin/AEG-1 | MYD88            | NFκ1             | NFκ2             | p53               | p53 (pS46)      |
| RelA/p65       | c-Rel     | SHARPIN      | SOCS6            | STAT1p91         | STAT1 (pY701)    | STAT2            | STAT2 (pY689)     | STING/TMEM173   |
| TLR2           | TRAF2     | TRAIL R1/DR4 | TRAIL R2/DR5     | Fas/TNFRSF6/CD95 | RelA/p65 (pS529) | TNF RI/ TNFRSF1A | TNF RII/ TNFRSF1B | NGF R/ TNFRSF16 |

#### Human XL Oncology Array Kit (84 analytes, ARY026)

|                 |                |                   |                |             |            |              |             |             |
|-----------------|----------------|-------------------|----------------|-------------|------------|--------------|-------------|-------------|
| AFP             | Amphiregulin   | Angiopoietin-1    | ANGPTL4        | AXL         | BCL-X      | CA125/MUC-16 | E-Cadherin  | VE-Cadherin |
| CAP-G           | CA-9           | Cathepsin B       | Cathepsin D    | Cathepsin S | CEACAM-5   | Decorin      | DKK-1       | DLL-1       |
| EGF R/ErbB1     | Endoglin/CD105 | Endostatin        | Enolase 2      | eNOS        | EpCAM      | ER-α         | ErbB2       | ErbB3       |
| ErbB4           | FGF basic      | FoxC2             | FKHR           | Galectin-3  | GM-CSF     | HCG          | HGF R/c-Met | HIF-1α      |
| HNF-3β          | HO-1/HMOX1     | ICAM-1/CD54       | CD25/IL-2 R α  | IL-6        | CXCL8/IL-8 | IL-18 Bpa    | KLK-3/PSA   | KLK-5       |
| KLK-6           | Leptin (OB)    | Lumican           | CCL2/MCP-1     | CCL8/MCP-2  | CCL7/MCP-3 | M-CSF        | Mesothelin  | CCL3/MIP-1α |
| CCL20/MIP-3α    | MMP-2          | MMP-3             | MMP-9          | MSP/MST1    | MUC-1      | Nectin-4     | Osteopontin | p27/Kip1    |
| p53             | PDGF-AA        | CD31/PECAM-1      | Progesterone R | Progranulin | Prolactin  | Prostasin    | E-Selectin  | Maspin      |
| PAI-1/Serpin E1 | SNAIL          | SPARC             | Survivin       | Tenascin-C  | THBS-1     | TIE-2        | UPA-1       | VCAM-1      |
| VEGF            | Vimentin       | ENPP-2/ Autotaxin |                |             |            |              |             |             |

#### Human Angiogenesis Array Kit (55analytes, ARY007)

|                      |            |                |                |                 |                          |                           |                           |                  |
|----------------------|------------|----------------|----------------|-----------------|--------------------------|---------------------------|---------------------------|------------------|
| Activin A            | ADAMTS-1   | Angiogenin     | Angiopoietin-1 | Angiopoietin-2  | Amphiregulin             | Artemin                   | CXCL16                    | DPPIV/CD26       |
| EGF                  | EG-VEGF    | Endoglin/CD105 | Endothelin-1   | FGF acidic      | FGF basic                | FGF-4                     | FGF-7/KGF                 | GDNF             |
| GM-CSF               | HB-EGF     | HGF            | IGFBP-1        | IGFBP-2         | IGFBP-3                  | IL-1 β                    | CXCL8/IL-8                | LAP (TGF-β 1)    |
| Leptin               | CCL2/MCP-1 | CCL3/MIP-1 α   | MMP-8          | MMP-9           | NRG1-β 1                 | Pentraxin 3               | PD-ECGF                   | PDGF-AA          |
| Persephin            | CXCL4/PF4  | PIGF           | Prolactin      | Serpin E1/PAI-1 | Serpin F1/PEDF           | TIMP-1                    | TIMP-4                    | Thrombospondin-1 |
| Thrombospondin-2 uPA |            | Vasohibin      | VEGF           | VEGF-C          | Angiostatin/ Plasminogen | Tissue Factor/ Factor III | Endostatin/Collagen XVIII | PDGF-AB/ PDGF-BB |
| Serpin B5/ Maspin    |            |                |                |                 |                          |                           |                           |                  |

### Inflammation

#### Human Cytokine Array Kit (36 analytes, ARY005B)

|                 |             |              |                 |             |              |              |            |        |
|-----------------|-------------|--------------|-----------------|-------------|--------------|--------------|------------|--------|
| C5a             | CD40 Ligand | G-CSF        | GM-CSF          | CXCL1/GRO α | CCL1/I-309   | ICAM-1       | IFN-γ      | IL-1 α |
| IL-1 β          | IL-1ra      | IL-2         | IL-27           | IL-32 α     | CXCL10/IP-10 | CXCL11/I-TAC | CCL2/MCP-1 | MIF    |
| MIP-1 α/MIP-1 β | CCL5/RANTES | CXCL12/SDF-1 | Serpin E1/PAI-1 | TNF-α       | TREM-1       | IL-4         | IL-5       | IL-6   |
| IL-8            | IL-10       | IL-12 p70    | IL-13           | IL-16       | IL-17        | IL-17E       | IL-18      | IL-21  |

#### Human XL Cytokine Array Kit (105 analytes, ARY022B)

|              |                   |                  |                    |                  |                   |                 |                 |                   |
|--------------|-------------------|------------------|--------------------|------------------|-------------------|-----------------|-----------------|-------------------|
| Adiponectin  | Angiogenin        | Angiopoietin-1   | Angiopoietin-2     | BDNF             | CD14              | CD30            | CD40 ligand     | Cripto-1          |
| Cystatin C   | Dkk-1             | DPPIV/CD26       | EGF                | CXCL5/ENA-78     | Endoglin/CD105    | EMMPRIN         | Fas Ligand      | FGF basic         |
| KGF/FGF-7    | FGF-19            | Flt-3 Ligand     | G-CSF              | GDF-15           | GM-CSF            | CXCL1/GRO α     | HGF             | ICAM-1/CD54       |
| IFN-γ        | IGFBP-2           | IGFBP-3          | IL-1 α/IL-1F1      | IL-1 β/IL-1F2    | IL-1ra/IL-1F3     | IL-2            | IL-3            | IL-4              |
| IL-5         | IL-6              | IL-8             | IL-10              | IL-11            | IL-12 p70         | IL-13           | IL-15           | IL-16             |
| IL-17A       | IL-18 BPa         | IL-19            | IL-22              | IL-23            | IL-24             | IL-27           | IL-31           | IL-32 α/β/γ       |
| IL-33        | IL-34             | CXCL10/IP-10     | CXCL11/I-TAC       | Kallikrein 3/PSA | Leptin            | LIF             | CCL2/MCP-1      | CCL7/MCP-3        |
| M-CSF        | MIF               | CXCL9/MIG        | CCL20/MIP-3 α      | CCL19/MIP-3 β    | MMP-9             | Myeloperoxidase | PDGF-AA         | PDGF-AB/BB        |
| Pentraxin-3  | CXCL4/PF4         | RAGE             | CCL5/RANTES        | RBP4             | Relaxin-2         | Resistin        | Serpin E1/PAI-1 | SHBG              |
| ST2/IL-1 R4  | CCL17/TARC        | TFF3             | TfR                | TGF-α            | Thrombospondin-1  | TNF-α           | uPAR            | VEGF              |
| Vitamin D BP | Apolipoprotein A1 | BAFF/TNFSF13B    | Chitinase 3-like 1 | CXCL12/ SDF-1 α  | Osteopontin (OPN) | CRP             | Growth Hormone  | Lipocalin-2/ NGAL |
| CCL3/CCL4    | Complement        | Complement       | CD31/PECAM-1       | TIM-1            | VCAM-1            |                 |                 |                   |
| MIP-1 α/β    | Factor D          | Component C5/C5a |                    |                  |                   |                 |                 |                   |

## Human

### Human Chemokine Array Kit (31 analytes, ARY017)

|                |                |                            |                   |                  |                   |                     |             |              |
|----------------|----------------|----------------------------|-------------------|------------------|-------------------|---------------------|-------------|--------------|
| CCL1/I-309     | CCL2/MCP-1     | CCL3/CCL4 (MIP-1 α/MIP-1β) | CCL5/RANTES       | CCL7/MCP-3       | CCL14/HCC-1/HCC-3 | CCL15/MIP-1 δ/LKN-1 | CCL17/TARC  | CCL18/PARC   |
| CCL19/ MIP-3 β | CCL20/ MIP-3 α | CCL21/6Ckine               | CCL22/MDC         | CCL26/ Eotaxin-3 | CCL28             | Chemerin            | CXCL1/GRO α | CXCL4/PF4    |
| CXCL5/ENA-78   | CXCL7/NAP-2    | CXCL8/IL-8                 | CXCL9/MIG         | CXCL10/IP-10     | CXCL11/I-TAC      | CXCL12/SDF-1        | CXCL16      | CXCL17/VCC-1 |
| CX3CL1         | IL-16          | Midkine                    | XCL1/Lymphotactin |                  |                   |                     |             |              |

### Human Phospho-Immunoreceptor Array Kit (59 analytes, ARY004B)

|               |              |                  |                    |                    |               |              |              |               |
|---------------|--------------|------------------|--------------------|--------------------|---------------|--------------|--------------|---------------|
| 2B4/SLAMF4    | BLAME/SLAMF8 | BTLA             | CD3 epsilon        | CD5                | CD6           | CD28         | CD84/SLAMF5  | CD229/SLAMF3  |
| CEACAM-1      | CLEC-1       | CLEC-2           | CTLA-4/CD152       | DCIR/CLEC4A        | DNAM-1        | Fc γ RIIA    | Fc γ RIIIA/B | FcRH1/IRTA5   |
| FcRH2/IRTA4   | FcRH4/IRTA1  | FcRH5/IRTA2      | ILT2/CD85j         | ILT3/CD85k         | ILT4/CD85d    | ILT5/CD85a   | ILT6/CD85e   | KIR2DL4       |
| LAIR-1        | LAIR-2       | LMIR1/CD300A     | LMIR2/CD300C       | LMIR3/CD300LF      | LMIR6/CD300LE | MDL-1/CLEC5A | NKp30/NCR3   | NKp44/NCR2    |
| NKp46/NCR1    | NKp80/KLRF1  | NTB-A/SLAMF6     | PD-1               | PECAM/CD31         | SHIP-1        | SHP-1        | SHP-2        | Siglec-2/CD22 |
| Siglec-3/CD33 | Siglec-5     | Siglec-7         | Siglec-9           | Siglec-10          | SIRP-β 1      | SLAM/CD150   | TREM-1       | TREM-2        |
| TREML1/TLT-1  | CRACC/SLAMF7 | Dectin-1/ CLEC7A | Fc epsilon RII/D23 | Integrin β 3/ CD61 |               |              |              |               |

## Stem cell

### Human Pluripotent Stem Cell Array Kit (15 analytes, ARY010)

|            |        |                |            |              |                     |         |      |            |
|------------|--------|----------------|------------|--------------|---------------------|---------|------|------------|
| E-Cadherin | GATA-4 | Goosecoid(GSC) | HCG        | HNF-3β/FoxA2 | Nanog               | Oct-3/4 | Otx2 | PDX-1/IPF1 |
| Snail      | SOX2   | SOX17          | TP63/TP73L | VEGF R2/KDR  | α-Fetoprotein (AFP) |         |      |            |

## Diabete/ Obesity

### Human Adipokine Array Kit (58 analytes, ARY024)

|             |                |                   |                     |                     |                 |            |               |                 |
|-------------|----------------|-------------------|---------------------|---------------------|-----------------|------------|---------------|-----------------|
| Adiponectin | Angiopoietin-1 | Angiopoietin-2    | Angiopoietin-like 2 | Angiopoietin-like 3 | BAFF/BLYS       | BMP-4      | Cathepsin D   | Cathepsin L     |
| Cathepsin S | CCL2/MCP-1     | CCL5/RANTES       | Chemerin            | Complement          | CRP             | CXCL8/IL-8 | DPPIV/CD26    | Endocan         |
| EN-RAGE     | Fetuin B       | FGF basic         | FGF-19              | Fibrinogen          | Growth Hormone  | HGF        | ICAM-1        | IGFBP-2         |
| IGFBP-3     | IGFBP-4        | IGFBP-6           | IGFBP-rp1/          | IL-1 β              | IL-6            | IL-10      | IL-11         | LAP (TGF-β1)    |
| Leptin      | LIF            | Lipocalin-2/ NGAL | M-CSF               | MIF                 | Myeloperoxidase | Nidogen-1/ | Oncostatin M  | PBEF/Visfatin   |
| PCSK9       | Pappalysin-1/  | Pentraxin-3       | Pref-1/DLK-1/ FA1   | RAGE                | Resistin        | Serpin A12 | Serpin A8/AGT | Serpin E1/PAI-1 |
| TIMP-1      | TIMP-3         | TNF-α             | VEGF                |                     |                 |            |               |                 |

## 기타

### Human Kidney Biomarker Array Kit (38 analytes, ARY019)

|                            |                    |                   |                  |             |        |           |            |            |
|----------------------------|--------------------|-------------------|------------------|-------------|--------|-----------|------------|------------|
| Adiponectin                | Aminopeptidase N   | Annexin V         | β2-Microglobulin | Clusterin   | CXCL16 | Cyr61/CCN | Cystatin C | DPPIV/CD26 |
| EGF                        | EGF R/ErbB1        | FABP1/L-FABP      | Fetuin A         | GRO-α/CXCL1 | IL-1ra | IL-6      | IL-10      | MCP-1/CCL2 |
| MMP-9                      | Neprilysin         | PSA/KLK-3         | RAGE             | RBP-4       | Renin  | Resistin  | SCF        | Serpin A3  |
| TNF-α                      | TNF RI             | Trefoil Factor 3  | Thrombospondin-1 | TWEAK       | uPA    | VCAM-1    | VEGF-A     |            |
| Angiotensinogen/ Serpin A8 | TIM-1/KIM-1/ HAVCR | Lipocalin-2/ NGAL |                  |             |        |           |            |            |

### Human Apoptosis Array Kit (35 analytes, ARY009)

|                   |                    |                  |                   |                   |                    |                      |                  |         |
|-------------------|--------------------|------------------|-------------------|-------------------|--------------------|----------------------|------------------|---------|
| Bad               | Bax                | Bcl-2            | Bcl-x             | Pro-Caspase-3     | Catalase           | cIAP-1               | cIAP-2           | Claspin |
| Clusterin         | Cytochrome c       | TRAIL R1/DR4     | TRAIL R2/DR5      | FADD              | Fas/TNFSF6         | HIF-1 α              | HO-2/HMOX2       | HSP27   |
| HSP60             | HSP70              | HTRA2/Omi        | Livin             | PON2              | p27/Kip1           | SMAC/Diablo          | Survivin         | XIAP    |
| Cleaved Caspase-3 | HO-1/ HMOX1/ HSP32 | p21/CIP1/ CDNK1A | Phospho-p53 (S15) | Phospho-p53 (S46) | Phospho-p53 (S392) | Phospho-Rad17 (S635) | TNF RI/ TNFRSF1A |         |

### Human Cell Stress Array Kit (26 analytes, ARY018)

|         |       |               |                       |                         |                            |                           |                   |         |
|---------|-------|---------------|-----------------------|-------------------------|----------------------------|---------------------------|-------------------|---------|
| ADAMTS1 | Bcl-2 | Cited-2       | COX-2                 | Cytochrome c            | Dkk-4                      | FABP1/L-FABP              | HIF-1 α           | HIF-2 α |
| HSP60   | HSP70 | IDO           | NFκB1                 | p21/CIP1                | p27/Kip1                   | PON1                      | PON2              | PON3    |
| SIRT2   | SOD2  | Thioredoxin-1 | Carbonic Anhydrase IX | Phospho-HSP27 (S78/S82) | Phospho-JNK Pan(T183/Y185) | Phospho-p38 α (T180/Y182) | Phospho-p53 (S46) |         |

### Human Protease Array Kit (35 analytes, ARY021B)

|               |               |                 |              |                  |              |              |               |               |
|---------------|---------------|-----------------|--------------|------------------|--------------|--------------|---------------|---------------|
| ADAM8         | ADAM9         | ADAMTS1         | ADAMTS13     | Cathepsin A      | Cathepsin B  | Cathepsin D  | Cathepsin E   | Cathepsin L   |
| Cathepsin S   | Cathepsin V   | Cathepsin X/Z/P | DPPIV/CD26   | Kallikrein 3/PSA | Kallikrein 5 | Kallikrein 6 | Kallikrein 7  | Kallikrein 10 |
| Kallikrein 11 | Kallikrein 13 | MMP-1           | MMP-2        | MMP-3            | MMP-7        | MMP-8        | MMP-9         | MMP-10        |
| MMP-12        | MMP-13        | Neprilysin/CD10 | Presenilin-1 | Cathepsin C/DPPI | PCSK9        | Proteinase 3 | uPA/Urokinase |               |

### Human Protease Inhibitor Array Kit (32 analytes, ARY023)

|                   |                     |                   |                    |                    |               |            |           |                  |
|-------------------|---------------------|-------------------|--------------------|--------------------|---------------|------------|-----------|------------------|
| APP               | Cystatin A          | Cystatin B        | Cystatin C         | Cystatin E/M       | EMMPRIN       | Fetuin B   | HAI-1     | HAI-2            |
| HE4/WFDC2         | Latexin             | Lipocalin-1       | RECK               | Serpin A5          | Serpin A8/AGT | Serpin A12 | Serpin B6 | Serpin B8        |
| Serpin E1/PAI-1   | Serpin F1/PEDF      | TFPI              | TFPI-2             | TIMP-1             | TIMP-2        | TIMP-3     | TIMP-4    | Trappin-2/Elafin |
| Lipocalin-2/ NGAL | Serpin A9/ Centerin | Serpin B5/ Maspin | Testican 1/ SPOCK1 | Testican 2/ SPOCK2 |               |            |           |                  |

## Human

### Human Protease (35 analytes) / Protease Inhibitor (32 analytes) Array Kit (ARY025)

#### Protease

|               |                  |                 |            |                  |               |                   |              |               |
|---------------|------------------|-----------------|------------|------------------|---------------|-------------------|--------------|---------------|
| ADAM8         | ADAM9            | ADAMTS1         | ADAMTS13   | Cathepsin A      | Cathepsin B   | Cathepsin D       | Cathepsin E  | Cathepsin L   |
| Cathepsin S   | Cathepsin V      | Cathepsin X/Z/P | DPPIV/CD26 | Kallikrein 3/PSA | Kallikrein 5  | Kallikrein 6      | Kallikrein 7 | Kallikrein 10 |
| Kallikrein 11 | Kallikrein 13    | MMP-1           | MMP-2      | MMP-3            | MMP-7         | MMP-8             | MMP-9        | MMP-12        |
| MMP-13        | Nephrilysin/CD10 | Presenilin-1    | PCSK9      | Proteinase 3     | uPA/Urokinase | Cathepsin C/ DPPI | MMP-10       |               |

#### Protease Inhibitor

|                   |                        |                   |                       |                       |               |            |           |                  |
|-------------------|------------------------|-------------------|-----------------------|-----------------------|---------------|------------|-----------|------------------|
| APP               | Cystatin A             | Cystatin B        | Cystatin C            | Cystatin E/M          | EMMPRIN       | Fetuin B   | HAI-1     | HAI-2            |
| HE4/WFDC2         | Latexin                | Lipocalin-1       | RECK                  | Serpin A5             | Serpin A8/AGT | Serpin A12 | Serpin B6 | Serpin B8        |
| Serpin E1/PAI-1   | Serpin F1/PEDF         | TFPI              | TFPI-2                | TIMP-1                | TIMP-2        | TIMP-3     | TIMP-4    | Trappin-2/Elafin |
| Lipocalin-2/ NGAL | Serpin A9/<br>Centerin | Serpin B5/ Maspin | Testican 1/<br>SPOCK1 | Testican 2/<br>SPOCK2 |               |            |           |                  |

### Human sReceptor Array, Non-hematopoietic (62 analytes, ARY012)

#### Non-hematopoietic

|                      |                     |                     |                     |                   |                             |                      |                       |                  |
|----------------------|---------------------|---------------------|---------------------|-------------------|-----------------------------|----------------------|-----------------------|------------------|
| ADAM15               | βIG-H3              | BMPR-IB/ALK-6       | Cadherin-11         | Cadherin-13       | E-Cadherin                  | N-Cadherin           | P-Cadherin            | VE-Cadherin      |
| Cathepsin D          | CD40                | CHL-1/L1CAM-2       | Clusterin           | CRELD2            | Desmoglein 2                | ECM-1                | Endoglycan            | EpCAM/TROP-1     |
| ErbB2/HER2           | ErbB3/HER3          | ErbB4/HER4          | ESAM                | Galectin-2        | HPRG                        | Integrin α 9         | Jagged 1/CD339        | JAM-C/JAM3       |
| LRP-6                | MCAM/CD146          | MEPE                | MUCDHL              | Nectin-2/CD112    | Nectin-4                    | Neurotrimin          | Notch-1               | NrCAM            |
| Periostin/OSF-2      | Podocalyxin         | E-Selectin          | Semaphorin 3A       | SREC-I/SR-F1      | SREC-II                     | Stanniocalcin 1      | Syndecan-4            | TIMP-4           |
| Thrombospondin-2     | TROP-2              | VAP-1/AOC3          | VCAM-1              | VEGF R1/Flt-1     | Cadherin-4                  | CEACAM-5/<br>CD138   | Thrombin              | Thrombospondin-5 |
| EGF R/<br>ErbB1/HER1 | Integrin α 3/ CD49c | Integrin α 5/ CD49e | Integrin α 6/ CD49f | Integrin α V/CD51 | JAM-B/VE-JAM/<br>JAM2/CD322 | Syndecan-1/<br>CD138 | VEGF R2/<br>KDR/Flk-1 |                  |

#### Common Analytes

|                       |                              |                               |                |                    |                    |                   |               |                   |
|-----------------------|------------------------------|-------------------------------|----------------|--------------------|--------------------|-------------------|---------------|-------------------|
| ACE                   | ADAM8                        | ADAM9                         | ADAM10         | ALCAM/CD166        | Amphiregulin       | APP (pan)         | BACE-1        | BCAM/CD239        |
| C1q R1/CD93           | CD9                          | CD31/PECAM-1                  | CD36/SR-B3     | CD40 Ligand        | CD44H              | CD58/LFA-3        | CD90/Thy1     | CD99              |
| CD155/PVR             | CXCL8/IL-8                   | EMMPRIN/CD147                 | Endoglin/CD105 | Epiregulin         | Galectin-1         | Galectin-3        | HB-EGF        | ICAM-2/CD102      |
| IL-1 RII              | IL-15 R α                    | Integrin β 5                  | Integrin β 6   | JAM-A/CD321        | MD-1/LY86          | MMP-2 (total)     | NCAM-1/CD56   | Osteopontin       |
| PAR1                  | RECK                         | Stabilin-1                    | TACE/ADAM17    | Thrombospondin-1   | TIMP-1             | TIMP-2            | TIMP-3        | TNF RII           |
| CD23/<br>LOX-1/SR-F1/ | CEACAM-1/<br>NCAM-1 1/ CD171 | CX3CL1/<br>Pref-1/DL K-1/ FA1 | Galectin-      | Integrin β 1/ CD29 | Integrin β 2/ CD18 | Integrin β 3/CD61 | Integrin β 4/ | Lipocalin-2/ NGAL |

### Human Ubiquitin Array Kit (49 analytes, ARY027)

|             |               |              |            |             |             |            |                 |               |
|-------------|---------------|--------------|------------|-------------|-------------|------------|-----------------|---------------|
| A20/TNFAIP3 | ATF4          | β-TrCP1/BTRC | Bcl-2      | Caspase-8   | CBL         | CD44       | clAP-1/HiAP-2   | clAP-2/HiAP-1 |
| COX-2/PTGS2 | EGF R         | ER-α/NR3A1   | ErbB2      | ErbB3       | ErbB4       | FASN       | FBXW7/Cdc4      | FGF R2        |
| HGF R/c-met | HIF-1 α       | HSP70        | I kappaB α | I kappa B ε | IGF-1 R     | IKK γ/NEMO | Insulin R       | IRAK1         |
| IRF3        | IRS1          | M-CSF R      | MSP R/Ron  | NIK/MAP3K14 | Nrf2/NFE2L2 | p53        | PDGF R α        | PDGF R β      |
| RIP1        | SCF R/c-Kit   | TfR          | TRAF-2     | TRAF-3      | TRAF-6      | Trk A      | TNF R1/TNFRSF1A | VEGF R3/Flt-4 |
| Cyclin D1/  | F-box protein | HSP90AA1/    | p21CDKN1A/ |             |             |            |                 |               |

## Mouse

### Cancer

#### Mouse Phospho-RTK Array Kit (39 analytes, ARY014)

|         |       |       |       |               |          |          |           |         |
|---------|-------|-------|-------|---------------|----------|----------|-----------|---------|
| EGF R   | ErbB2 | ErbB3 | ErbB4 | FGF R2 (IIIc) | FGF R3   | FGF R4   | Insulin R | IGF-I R |
| Axl     | Dtk   | Mer   | HGF R | MSP R         | PDGF R α | PDGF R β | SCF R     | Flt-3   |
| M-CSF R | c-Ret | Tie-1 | Tie-2 | TrkA          | TrkB     | TrkC     | VEGF R1   | VEGF R2 |
| VEGF R3 | MuSK  | EphA1 | EphA2 | EphA3         | EphA6    | EphA7    | EphA8     | EphB1   |
| EphB2   | EphB4 | EphB6 |       |               |          |          |           |         |

#### Mouse Angiogenesis Array Kit (53 analytes, ARY015)

|           |                        |                         |                               |                           |                           |                      |                           |              |
|-----------|------------------------|-------------------------|-------------------------------|---------------------------|---------------------------|----------------------|---------------------------|--------------|
| ADAMTS1   | Amphiregulin           | Angiogenin              | Angiopoietin-1                | Angiopoietin-3            | CCL2/JE/MCP-1             | CCL3/MIP-1 α         | CXCL1/KC                  | CXCL12/SDF-1 |
| CXCL16    | CXCL4/PF4              | DLL4                    | DPPIV/CD26                    | EGF                       | Endoglin/CD105            | Endothelin-1         | FGF acidic                | FGF basic    |
| FGF-7/KGF | Fractalkine            | GM-CSF                  | HB-EGF                        | HGF                       | IGFBP-1                   | IGFBP-2              | IGFBP-3                   | IL-1 α       |
| IL-1 β    | IL-10                  | Leptin                  | MMP-8 (pro)                   | Osteopontin               | PD-ECGF                   | PDGF-AA              | PDGF-AB/BB                | Pentaxin-3   |
| PIGF-2    | Prolactin              | Proliferin              | Serpin E1/PAI-1               | Serpin F1/PEDF            | Thrombospondin-2          | TIMP-1               | TIMP-4                    | VEGF         |
| VEGF-B    | CXCL10/IP-10/<br>CRG-2 | Cyr61/CNN1/<br>IGFBP-10 | Endostatin/<br>Collagen XVIII | MMP-3 (pro and<br>mature) | MMP-9 (pro and<br>active) | NOV/CCN3/<br>IGFBP-9 | Coagulation Factor<br>III |              |

### Inflammation

#### Mouse Cytokine Array Kit (40 analytes, ARY006)

|             |           |                 |              |               |              |              |            |               |
|-------------|-----------|-----------------|--------------|---------------|--------------|--------------|------------|---------------|
| C5a         | G-CSF     | GM-CSF          | CCL11/I-309  | CCL11/Eotaxin | ICAM-1       | IFN-γ        | IL-1 α     | IL-1 β        |
| IL-1ra      | IL-2      | IL-3            | IL-4         | IL-5          | IL-6         | IL-7         | IL-10      | IL-12 p70     |
| IL-13       | IL-16     | IL-17           | IL-23        | IL-27         | CXCL10/IP-10 | CXCL1/KC     | M-CSF      | CCL2/JE/MCP-1 |
| CCL12/MCP-5 | CXCL9/MIG | CCL3/MIP-1 α    | CCL4/MIP-1 β | CXCL2/MIP-2   | CCL5/RANTES  | CXCL12/SDF-1 | CCL17/TARC | TIMP-1        |
| TNF-α       | TREM-1    | CXCL13/BLC/BCA- | CXCL11/I-TAC |               |              |              |            |               |

#### Mouse XL Cytokine Array Kit (111 analytes, ARY028)

|   |                                   |  |                        |                    |                        |                           |                        |                      |
|---|-----------------------------------|--|------------------------|--------------------|------------------------|---------------------------|------------------------|----------------------|
| Amphiregulin                            | Angiopoietin-1                    | Angiopoietin-2                         | C1q R1/CD93            | CCL2/JE/MCP-1      | CCL5/RANTES            | CCL6/C10                  | CCL11/Eotaxin          | CCL12/MCP-5          |
| CCL17/TARC                              | CCL19/MIP-3 β                     | CCL20/MIP-3 α                          | CCL21/6Ckine           | CCL22/MDC          | CD14                   | CD40/TNFRSF5              | CD160                  | Chemerin             |
| CXCL1/KC                                | CXCL2/MIP-2                       | CXCL9/MIG                              | CXCL10/IP-10           | CXCL11/I-TAC       | CXCL16                 | Cystatin C                | Dkk-1                  | DPPIV/CD26           |
| EGF                                     | Endoglin/CD105                    | Endostatin                             | Fetuin A/AHSG          | FGF acidic         | FGF-21                 | Flt-3 Ligand              | Gas6                   | G-CSF                |
| GDF-15                                  | GM-CSF                            | HGF                                    | ICAM-1/CD54            | IFN-γ              | IGFBP-1                | IGFBP-2                   | IGFBP-3                | IGFBP-5              |
| IGFBP-6                                 | IL-1 α/IL1F1                      | IL-1 β/IL-1F2                          | IL-1ra/IL-1F3          | IL-2               | IL-3                   | IL-4                      | IL-5                   | IL-6                 |
| IL-7                                    | IL-10                             | IL-11                                  | IL-12p40               | IL-13              | IL-15                  | IL-17A                    | IL-22                  | IL-23                |
| IL-27                                   | IL-28                             | IL-33                                  | LDL R                  | Leptin             | LIF                    | LIX                       | M-CSF                  | MMP-2                |
| MMP-3                                   | MMP-9                             | Myeloperoxidase                        | PDGF-BB                | Pentaxin 2/SAP     | Periostin/OSF-2        | Proliferin                | RAGE                   | RBP4                 |
| Reg3G                                   | Resistin                          | Serpin E1/PAI-1                        | Serpin F1/PEDF         | Thrombopoietin     | TNF-α                  | VCAM-1/CD106              | VEGF                   | WISP-1/CCN4          |
| Adiponectin/<br>Acrp30                  | Angiopoietin-like 3               | BAFF/BlyS/TNFSF<br>13B                 | CCL3/CCL4<br>MIP-1 α/β | Chitinase 3-like 1 | Complement Factor<br>D | C-Reactive<br>Protein/CRP | CX3CL1/<br>Fractalkine | CXCL13/BLC/<br>BCA-1 |
| Lipocalin-2/NGAL                        | Osteopontin (OPN)                 | Osteoprotegerin                        | Pentaxin 3/TSG-        | Pref-1/DLK-1/FA1   | E-Selectin/CD62E       | P-Selectin/CD62P          | TIM-1/KIM-1            | PCSK9                |
| Coagulation Factor<br>III/Tissue Factor | Complement<br>Component<br>C5/C5a | PD-<br>ECGF/Thymidine<br>phosphorylase |                        |                    |                        |                           |                        |                      |

#### Mouse Chemokine Array Kit (25 analytes, ARY020)

|               |                |                               |                                   |                        |                        |                      |             |           |
|---------------|----------------|-------------------------------|-----------------------------------|------------------------|------------------------|----------------------|-------------|-----------|
| CCL11/Eotaxin | CCL12/MCP-5    | CCL2/JE/MCP-1                 | CCL21/6Ckine                      | CCL22/MDC              | CCL27/CTACK            | CCL28                | CCL5/RANTES | CCL6/C10  |
| CCL8/MCP-2    | CCL9/10/MIP-1γ | Chemerin                      | CXCL1/KC                          | CXCL11/I-TAC           | CXCL12/SDF-1           | CXCL16               | CXCL2/MIP-2 | CXCL9/MIG |
| IL-16         | LIX            | CCL3/CCL4<br>(MIP-1α /MIP-1β) | Complement<br>Component<br>C5/C5a | CX3CL1/<br>Fractalkine | CXCL10/<br>IP-10/CRG-2 | CXCL13/BLC/<br>BCA-1 |             |           |

#### Mouse Apoptosis Array Kit (21 analytes, ARY031)

|            |            |       |                   |          |         |              |     |             |
|------------|------------|-------|-------------------|----------|---------|--------------|-----|-------------|
| Bad        | Bcl-2      | Bcl-x | Cleaved Caspase-3 | Catalase | Claspin | Cytochrome c | Fas | HIF-1α      |
| HO-1/HSP32 | HO-2/HMOX2 | HSP27 | HSP60             | HSP70    | MCL-1   | p27/Kip1     | p53 | SMAC/Diablo |
| TNF RI     | TRAIL R2   | XIAP  |                   |          |         |              |     |             |

### Diabete/ Obesity

#### Mouse Adipokine Array Kit (38 analytes, ARY013)

|             |                 |          |               |             |        |            |                   |          |
|-------------|-----------------|----------|---------------|-------------|--------|------------|-------------------|----------|
| Adiponectin | AgRP            | ANGPT-L3 | CCL2/MCP-1/JE | CCL5/RANTES | CRP    | DPPIV/CD26 | Endocan           | Fetuin A |
| FGF acidic  | IGF-21          | HGF      | ICAM-1        | IGF-I       | IGF-II | IGFBP-1    | IGFBP-2           | IGFBP-3  |
| IGFBP-5     | IGFBP-6         | IL-6     | IL-10         | IL-11       | Leptin | LIF        | Lipocalin-2/ NGAL | M-CSF    |
| OSM         | PAI-1/Serpin E1 | PTX2     | PTX3          | Pref-1      | RAGE   | RBP4       | Resistin          | TIMP-1   |
| TNF-α       | VEGF            |          |               |             |        |            |                   |          |

## Rat

### Diabete/ Obesity

#### Rat Adipokine Array Kit (30 analytes, ARY016)

|          |               |             |                  |         |                 |        |        |          |
|----------|---------------|-------------|------------------|---------|-----------------|--------|--------|----------|
| ANGPT-L3 | CCL2/MCP-1/JE | CCL5/RANTES | DPPIV/CD26       | Endocan | FGF-21          | HGF    | ICAM-1 | IGF-I    |
| IGF-II   | IGFBP-1       | IGFBP-2     | IGFBP-3          | IGFBP-5 | IGFBP-6         | IL-1 β | IL-6   | IL-10    |
| IL-11    | Leptin        | LIF         | Lipocalin-2/NGAL | M-CSF   | PAI-1/Serpin E1 | Pref-1 | RAGE   | Resistin |
| TIMP-1   | TNF-α         | VEGF        |                  |         |                 |        |        |          |

### Inflammation

#### Rat Cytokine Array Kit (29 analytes, ARY008)

|                 |           |              |               |             |        |        |              |        |
|-----------------|-----------|--------------|---------------|-------------|--------|--------|--------------|--------|
| CXCL1/CINC-1    | CINC-3    | CNTF         | GM-CSF        | ICAM-1      | IFN-γ  | IL-1 α | IL-1 β       | IL-1ra |
| IL-2            | IL-3      | IL-4         | IL-6          | IL-10       | IL-13  | IL-17  | CXCL10/IP-10 | LIX    |
| L-Selectin      | CXCL9/MIG | CCL3/MIP-1 α | CCL20/MIP-3 α | CCL5/RANTES | TIMP-1 | TNF-α  | VEGF         |        |
| CXCL3/CINC-2α/β | CXCL7     | CXC3CL1      |               |             |        |        |              |        |

#### Rat XL Cytokine Array Kit (79 analytes, ARY030)

|                 |              |               |               |                   |                 |              |           |            |
|-----------------|--------------|---------------|---------------|-------------------|-----------------|--------------|-----------|------------|
| CCL2/JE/MCP-1   | CCL3/CCL4    | CCL5/RANTES   | CCL11/Eotaxin | CCL17/TARC        | CCL20/MIP-3 α   | CCL21/6Ckine | CCL22/MDC | Clusterin  |
| CX3CL1          | CXCL2/GRO β  | CXCL7         | Cyr61/CCN1    | Cystatin C        | DPPIV/CD26      | EGF          | EG-VEGF   | Endostatin |
| Fetuin A/AHSG   | FGF acidic   | FGF-7         | FGF-21        | Fibulin 3         | Flt-3 Ligand    | Galectin-1   | G-CSF     | GDF-15     |
| GM-CSF          | Hepassocin   | HGF           | ICAM-1/CD54   | IFN-gamma         | IGF-1           | IGFBP-2      | IGFBP-3   | IGFBP-5    |
| IGFBP-6         | IL-1 α/IL1F1 | IL-1 β/IL-1F2 | IL-1ra/IL-1F3 | IL-2              | IL-3            | IL-4         | IL-6      | IL-13      |
| IL-17A          | IL-22        | Jagged 1      | LIF           | Lipocalin-2/NGAL  | MAG/Siglec-4a   | MMP-2        | MMP-3     | MMP-9      |
| Nepriylsin/CD10 | NOV/CCN3     | NT-3          | NT-4          | Osteopontin (OPN) | Osteoprotegerin | PDGF-BB      | Pref-1    | Prolactin  |
| RAGE            | RBP4         | Resistin      | RGM-A         | SCF               | Serpin E1/PAI-1 | TIM-1/KIM-1  | TNF-α     | TWEAK      |
| VCAM-1/CD106    | VEGF         | WISP-1/CCN    | Adiponectin   | CNTF              | Galectin-3      | LIX          |           |            |