

R&D Assay for Cancer Resaerch

Cancer Biomarkers 연구를 위한 R&D systems의 Assay kit

Angiogenesis Circulating Biomarkers Metastasis Apoptosis

Multiplex Assay

Proteome Profiler (Antibody Array)

| | |
|---|---------------------------------------|
| ARY001B | Human Phospho-RTK Array kit |
| ALK, Axl, DDR1, DDR2, Dtk, EGF R, EphA1, EphA2, EphA3, EphA4, EphA5, EphA6, EphA7, EphA10, EphB1, EphB2, EphB3, EphB4, EphB, ErbB2, ErbB3, ErbB4, FGF R1, FGF R2 alpha, FGF R3, FGF R4, Flt-3, HGF R, IGF-I R, Insulin R, M-CSF R, Mer, MSP R, MuSK, PDGF R α , PDGF β , c-Ret, ROR1, ROR2, Ryk, SCF R/c-kit, Tie-1, Tie-2, TrkA, TrkB, TrkC, VEGF R1, VEGF R2, VEGF R3 | |
| ARY002B | Human Phospho-MAPK Array Kit |
| Akt1, Akt2, Akt3, Akt pan, CREB, ERK1, ERK2, GSK-3 α / β , GSK-3 β , HSP27, JNK1, JNK2, JNK3, JNK pan, MKK3, MKK6, MSK2, p38 α , p38 β , p38 δ , p38 γ , p53, p70 S6 kinase, RSK1, RSK2, TOR | |
| ARY003B | Human Phospho-Kinase Array Kit |
| Akt (S473) , Akt (T308), AMPK α 1 (T183), AMPK α 2 (T172), β -Catenin, Chk-2 (T68), c-Jun (S63), CREB (S133), EGF R (Y1068), eNOS (S1177), ERK1/2 (T202/Y204, T185/Y187), FAK (Y397), Fgr (Y412), Fyn (Y420), GSK-3 α / β (S21/S9), Hck (Y411), HSP27 (S78/S82), HSP60, JNK pan (T183/Y185, T221/Y223), Lck (Y394), Lyn (Y397), MSK1/2 (S376/S360), p27 (T198), p38 α (T180/Y182), p53 (S15), p53 (S392), p53 (S46), p70 S6 Kinase (T421/S424), PDGF R β (Y751), PLC γ -1 (Y783), PRAS40 (T246), Pyk2 (Y402), RSK1/2/3 (S380), Src (Y419), STAT2 (Y689), STAT3 (S727), STAT3 (Y705), STAT5a (Y699), STAT5a/b (Y699), STAT5b (Y699), STAT6 (Y641), TOR (S2448), WNK-1 (T60), Yes (Y426) | |
| ARY007 | Human Angiogenesis Array Kit |
| Activin A, ADAMTS-1, Angiogenin, Angiopoietin-1, Angiopoietin-2, Angiostatin/Plasminogen, Amphiregulin, Artemin, Tissue Factor, CXCL16, DPPIV/CD26, EGF, EG-VEGF, Endoglin/CD105, Endostatin/Collagen XVIII, Endothelin-1, FGF acidic, FGF basic, FGF-4, FGF-7/KGF, GDNF, GM-CSF, HBEGF, HGF, IGFBP-1, IGFBP-2, IGFBP-3, IL-1 β , CXCL8/IL-8, LAP (TGF- β 1), Leptin, CCL2/MCP-1, CCL3/MIP-1 alpha, MMP-8, MMP-9, NRG1- β 1, Pentraxin3, PD-ECGF, PDGF-AA, PDGF-AB/BB, Persephin, CXCL4/PF4, P/GF, Prolactin, Serpin B5/Maspin, Serpin E1/PAI-1, Serpin F1/PEDF, TIMP-1, TIMP-4, Thrombospondin-1, Thrombospondin-2, uPA, Vasohibin, VEGF, VEGF-C | |

Luminex Assay

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| Human Angiogenesis panel |
| Angiogenin, Angiopoietin-1, Angiopoietin-2, BMP-9, EGF, Endothelin-1, FGF-1, FGF-basic, Follistatin, HB-EGF, HGF, IL-8, Leptin, PLGF, VEGF-A, VEGF-C, VEGF-D |
| Human Metastasis panel |
| DKK1, GKF15, Osteonectin (SPARC), Periostin, YKL40 |
| Human cancer biomarker panel |
| AFP, Antithrombin III, CA125, CA15-3, FGF-basic, FAP, HGF, IGFBP3, IL-6, IL-8, Leptin, MIF, MPO, Osteopontin, PSA(total), SCF, SHBG, TNF- α , VEGF, sFas, sFasL |
| Human MMP panel |
| MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-12, MMP-13, EMMPRIN |
| Human TIMP panel |
| TIMP-1, TIMP-2, TIMP-3, TIMP-4 |
| Human TGF-β panel |
| TGF- β 1, TGF- β 2, TGF- β 3 |
| Human Adhesion panel |
| sICAM-1, sE-Selectin, sP-Selectin, sVCAM-1 |



"Ready to Use" ELISA

Angiogenesis

Quantikine ELISA

| Cat. No. | Description | Plate |
|----------|------------------|------------|
| DANG20 | Angiopoietin-2 | 1 / 6 / 50 |
| DEG00 | EGF | 1 / 6 / 50 |
| DNDG00 | Endoglin | 1 / 6 / 50 |
| DET100 | Endothelin-1 | 1 / 6 / 50 |
| DFA00B | FGF-1/FGF-acidic | 1 / 6 / 50 |
| DFB50 | FGF-2/FGF-basic | 1 / 6 / 50 |
| DFN00 | Follistatin | 1 / 6 / 50 |
| DHG00 | HGF | 1 / 6 / 50 |
| D8000C | IL-8 | 1 / 6 / 50 |
| DLP00 | Leptin | 1 / 6 / 50 |
| DPG00 | PLGF | 1 / 6 / 50 |
| DVE00 | VEGF-A | 1 / 6 / 50 |
| DVEC00 | VEGF-C | 1 / 6 / 50 |
| DVED00 | VEGF-D | 1 / 6 / 50 |

Cell-Based ELISA

| Cat. No. | Description | Plate |
|----------|------------------------------|-------|
| KCB2316 | Phospho-PDGF R beta (Y1021) | 1 |
| KCB1767 | Phospho-PDGF R beta (Y751) | 1 |
| KCB1095 | Phospho-EGF R/ErbB1 (Y1068) | 1 |
| KCB4438 | Phospho-ErbB/Her2 (Y1196) | 1 |
| KCB1097 | Phospho-EGF R/ErbB1 (Y1070) | 1 |
| KCB1935 | Total HIF-1 alpha | 1 |
| KCB2480 | Phospho-HGF R/c-MET | 1 |
| KCB2894 | Phospho-STAT1 (Y701) | 1 |
| KCB2890 | Phospho-STAT2 (Y689) | 1 |
| KCB4607 | Phospho-STAT3 (Y705) | 1 |
| KCB4190 | Phospho-STAT5a/b (Y694/Y699) | 1 |
| KCB2720 | Phospho-Tie-2 (Y992) | 1 |

Metastasis

Quantikine ELISA

| Cat. No. | Description | Plate |
|----------|---------------------|-------|
| DKK100 | DKK1 | 1 |
| DGD150 | GDF15 | 1 |
| DENL20 | NSE | 1 |
| DSP00 | Osteonectin (SPARC) | 1 |
| DY805 | Osteoprotegerin | 1 |
| DY3548 | Periostin | 1 |
| DY1090 | TWEAK | 1 |
| DC3L10 | YKL40 | 1 |

Cell-Based ELISA

| Cat. No. | Description | Plate |
|----------|---|-------|
| KCB4890 | Phospho-IkB-alpha (S32/S36) | 1 |
| KCB1018 | Phospho-ERK1 (T202/Y204)/ ERK2 (T185/Y187) | 1 |
| KCB7226 | Phospho-RelA/NFκB p65 | 1 |

Circulating biomarker

Quantikine ELISA

| Cat. No. | Description | Plate |
|----------|---------------------------|------------|
| DAFP00 | AFP Quantikine ELISA | 1 |
| DCA125 | CA125 | 1 |
| DFB50 | FGF-2/FGF-basic | 1 / 6 / 50 |
| DGAL30 | Galectin 3 | 1 |
| DHE400 | HE4 | 1 |
| DHG00 | HGF | 1 / 6 / 50 |
| DGB300 | IGFBP3 | 1 / 6 / 50 |
| D6050 | IL-6 | 1 / 6 / 50 |
| D8000C | IL-8 | 1 / 6 / 50 |
| DLP00 | Leptin | 1 / 6 / 50 |
| DMF00B | MIF | 1 / 6 / 50 |
| DMIA00 | MIA | 1 |
| DMYE00B | MPO | 1 / 6 / 50 |
| DMYE00B | MPO | 1 / 6 / 50 |
| DOST00 | Osteopontin | 1 / 6 / 50 |
| DKK300 | PSA (total) | 1 |
| DPRL00 | Prolactin | 1 |
| DCK00 | SCF | 1 |
| DSHBG0 | SHBG | 1 |
| DTGA00 | TGFα | 1 |
| DTA00 | TNFα | 1 / 6 / 50 |
| DTRL00 | TRAIL | 1 |
| DVE00 | VEGF | 1 / 6 / 50 |
| DVDBP0 | Vitamin D binding protein | 1 |
| DFS00 | sFas | 1 |
| DFL00 | sFasL | 1 |

Apoptosis

Cell-Based ELISA

| Cat. No. | Description | Plate |
|----------|---------------------------------|-------|
| KCB887 | Phospho-Akt (S473) Pan specific | 1 |
| KCB8871 | Phospho-Akt (T308) Pan specific | 1 |
| KCB7517 | Phospho-Bad (S112) | 1 |
| KCB705 | Cleaved Caspase-8 (Asp391) | 1 |
| KCB7499 | Phospho-c-Jun (S63) | 1 |
| KCB2288 | Phospho-Histone H2AX (S139) | 1 |
| KCB3776 | Total HO-1/MMOX1 | 1 |
| KCB869 | Phospho-p38 MAP Kinase | 1 |
| KCB7226 | Phospho-RelA/NFκB p65 | 1 |
| KCB3226 | Phospho-Smad3 /Smad2 | 1 |
| KCB7660 | Phospho-Smad1 /Smad5 | 1 |
| KCB8963 | Phospho-p70 S6 Kinase | 1 |