Luminex® Multiplex Assays

R&D SYSTEMS

관심 있는 Protein, 네 마음대로 Design하여 동시에 분석한다!!!

170여개의 Protein 중에서 최대 100개까지 자유롭게 선택하세요!!!

- ✓ 소량의 sample (50 μl)로 최대 100개 동시분석
- ✓ R&D Quantikine ELISA와 최고의 correlation
- ✓ Customized Pre-mix 가능
- ✓ Panel Specific control 사용으로 높은 신뢰도 입증
- ✓ Panel Specific diluent 사용으로 정확한 결과 보장
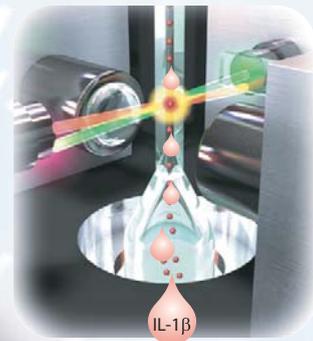
Correlation Data w/ Quantikine Kit (ELISA Gold Standard)

$Y = 0.8827x + 0.0808 \quad R^2 = 0.9584$

Human IL-6 Quantikine kit (#D6050) vs Luminex assay Human IL-6 (#LUH206)

PMA + Ca^{2+}/Ionomycin-Stimulated

- ■ Unstimulated
- ■ Stimulated 1 hour
- ■ Stimulated 8 hours
- ■ Stimulated 24 hours

Concentration (pg/mL)

Cytokines: IL-1β, IL-12, IL-5, GM-CSF, IL-2, IL-4, IL-6, IL-8, IL-10, VEGF, IFN-γ, TNF-

IL-1β, VEGF, TNF-α, IL-17, IFN-γ, Leptin
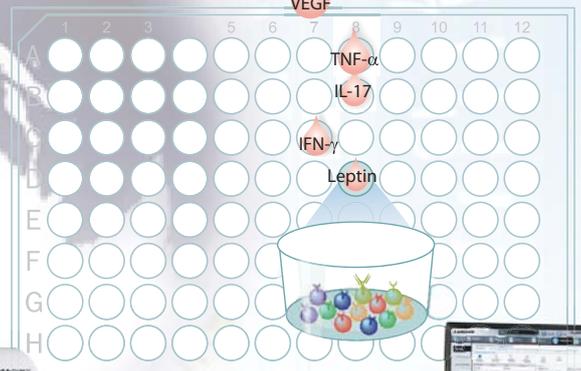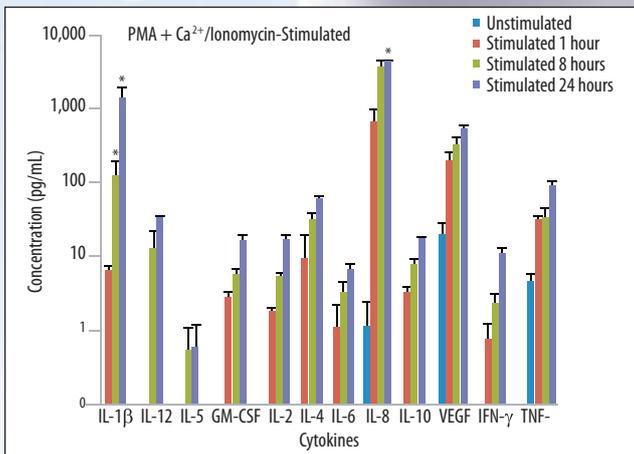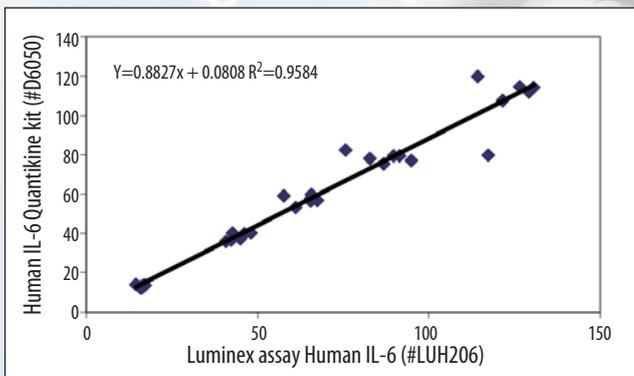
Luminex Assay Analyte List

Human Free-panel

Adiponectin, Angiogenin, **Aggrecan**, Angiopoietin-1, α-Fetoprotein, **Amphiregulin**, Angiopoietin-2, Angiopoietin-like3, Angiopoietin-like4, **APP**, TNFSF13B, **BCMA**, **BMP-2**, **BMP-4**, BMP-9, CA15-3, CA125, **Calbindin D**, CCL2/MCP-1, CCL3/MIP-1α, CCL4/MIP-1β, CCL5, CCL7/MCP-3, CCL8/MCP-2, CCL11/Eotaxin, CCL13/MCP-4, CCL17/TARC, **CCL18/PARC**, CCL20/MIP-3α, CCL22, Eotaxin-3, CCL27, **CD14**, **CD27**, **CD30**, **CD40**, CD40 Ligand, **CD163**, **Chemerin**, **Chitinase 3-like1**, **Coagulation Factor ⅩⅨ**, Complement Factor D, Collagen IVα1, **Cripto-1**, CRP, CXCL1/GROα, CXCL4, CXCL5, CXCL8, CXCL9, CXCL10, CXCL11, CXCL12, CXCL13, **CXCL16**, Cystatin C, **DcR3**, Dkk-1, **DR3**, EGF, EMMPRIN, Endoglin, Endothelin-1, **Autotaxin**, E-Selectin, FABP4, EphA2,**Epo**, Fas, Fas Ligand, FGF-acidic, FGF-basic, FGF-21, Follistatin, **FLRG**, Galectin-3, G-CSF, GDF-15, GDNF, GM-CSF, gp130, **Growth Hormone**, HB-EGF, HGF, ICAM-1, IFN-γ, **IFN-γR1**, IGFBP-1, IGFBP-3, IL-1α, IL-1β, IL-1ra, IL-1RI, IL-1RII, IL-2, IL-2Rα, IL-3, IL-4, IL-5, IL-6, **IL-6Rα**, IL-9, IL-10, IL-12p70, IL-13, IL-15, IL-17A, IL-17F, **IL-18BPa**, **IL-19**, IL-22, IL-23, IL-27, IL-28A, IL-31, IL-33, **IL-34**, IL-36 beta/IL-1F8, Insulin, PSA, **Kallikrein 5**, Leptin, L-Selectin, M-CSF, **MFG-E8**, **MICA**, **MICB**, MIF, MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-12, MMP-13, MPO, Nephrin, NGAL, **NRG1-β1**, Oncostatin, OPN, PDGF-AA, **PDGF-BB, Pentraxin3**, **Periostin**, **Progranulin**, **PCSK9**, PlGF, P-Selectin, RAGE, RBP4, Renin, Resistin, **ROBO4**, SCF, Serpin C1, Serpin E1, SHBG, SOST, **SPARC**, **SP-D**, **ST2**, **TACI**, Tenascin C, TFF3, **TFPI**, **TfR**, **Thrombospondin-2**, **Tie-1**, Tie-2, TIM-1, TIMP-1, TNF-α, TNF RI, TNF RII, **Tpo,** TRAIL R2, TRAIL R3, TRANCE, **ULBP-1**, **ULBP-2/5/6**, **ULBP-3**, **ULBP-4**, **uPAR**, **Uteroglobin**, **VAP-1**, **VCAM-1**, VEGF, VEGF-C, VEGF-D, **VEGF R3**, vWF-A2

Mouse Free-panel

Adiponectin, BAFF, CD93, CCL11/Eotaxin, CCL22/MDC, MCP-1, MIP-1α, MIP-1β, RANTES, MIP-3α, CXCL1/KC, MIP-2, LIX, CXCL9, CXCL10, CXCL12, Dkk-1. EGF R, EPO, EMMPRIN/CD147, FGF-21, FGF-basic, G-CSF, GDF-15, GM-CSF, HGF, IFN-γ, IGF-I, IL-1α, IL-1β, IL-2, IL-4, IL-5, IL-6, IL-6 Rα, IL-7, IL-9, IL-10, IL-12p70, IL-13, IL-17A, IL-23p19, IL-33, Leptin, Lipocalin-2, M-CSF, MMP-9, OPN, PCSK9, PDGF-BB, Periostin, RAGE, Resistin, S100A8, S100A9, TIM-1, Thrombospondin-4, TNF-α, TRANCE, VEGF, VEGF R2

Rat Free-panel

CXCL3, CXCL2, GM-CSF, I-CAM-1, IFN-γ, IL-1α, IL-1β, IL-2, IL-4, IL-6, IL-10, IL-13, IL-18, L-Selectin, TIMP-1, TNF-α, VEGF

Panel list

** Polystyrene bead**

Human Cytokine A - MCP-1, MIP-1α, MIP-1β, RANTES, CXCL8, CXCL5, FGF-basic, GM-CSF, G-CSF, IFN-γ, IL-1α, IL-1ra, IL-1β, IL-2, IL-4, IL-5, IL-6, IL-10, IL-17, TNF-α, Tpo, VEGF

Human Cytokine B - CCL11, CD40 Ligand, CXCL10, CXCL11, EGF, HGF, IL-12p70, IL-13, Leptin

Human HS Cytokine - CXCL8, GM-CSF, IFN-γ, IL-1β, IL-2, IL-4, IL-5, IL-6, IL-10, IL-12p70, TNF-α, VEGF

Human Angiogenesis A - **Angiogenin**, **Angiopoietin-1**, **Endostatin**, FGF-acidic, FGF-basic, PDGF-AA, PDGF-BB, PlGF, Thrombospondin-2, VEGF, VEGF-D

Human Obesity - Adiponectin, CRP, MCP-1, Complement Factor D, IL-6, IL-10, Leptin, Resistin, Serpin E1, TNF-α

Human Biomarker A - BAFF, MIP-3α, **CD14**, **CD27**, CXCL13, GP130, IL-2Rα, IL-6Rα, TNF RII

Human Cardiac A - CD40 Ligand, GDF-15, Pappalysin-1/PAPP-A, **Proprotein Convertase 9/PCSK9**, IL-1R4, TNF RII

Human Cardiac B - CRP, Cystatin C, MPO, P-Selectin, Serpin E1, TIMP-1

Human MMP – MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-12, MMP-13, **EMMPRIN**

Rat Kidney Toxicity – Cystatin C, FABP1, Lipocalin-2, TIM-1/KIM-1, OPN

Human Adhesion – sICAM-1, sE-Selectin, sP-Selectin, sVCAM-1

Human/mouse/rat/porcine TGF-β – TGF- β1, TGF- β2, TGF- β3

Human TIMP – TIMP-1, TIMP-2, TIMP-3, TIMP-4

Magnetic bead

Human Cytokine A- MCP-1, MIP-1α, MIP-1β, RANTES, CXCL8, CXCL5, FGF-basic, G-CSF, IFN-γ, IL-1α, IL-1β, IL-1ra, IL-2, IL-4, IL-5, IL-6, IL-10, IL-17, TNF-α, Tpo, VEGF, GM-CSF

Human HS Cytokine A - CXCL8, GM-CSF, IFN-γ, IL-1β, IL-2, IL-4, IL-5, IL-6, IL-10, IL-12p70, TNF-α, VEGF

Human HS Cytokine B – GM-CSF, IFN-γ, IL-1β, IL-2, IL-5, IL-6, IL-7, IL-10, IL-13, IL-15, IL-17A, IL-17F, IL-22, IL-23, IL-31, IL-33, IL-36β, TNF-α

Human MMP – MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-12, MMP-13, **EMMPRIN**

Human Angiogenesis – **Angiogenin**, **Angiopoietin-1**, **Endostatin**, FGF-acidic, FGF-basic, PDGF-AA, PDGF-BB, PlGF, Thrombospondin-2, VEGF, VEGF-D

Human Kidney Biomarker – Clusterin, Cyctatin C, OPN, Fetuin A, Lipocaline-2/NGAL, RBP4, TFF3, TIM-1/KIM-1, CXCL10

Human TIMP – TIMP-1, TIMP-2, TIMP-3, TIMP-4