

R&D 단백질 Multi-정량 Tool

LUMINEX ASSAY

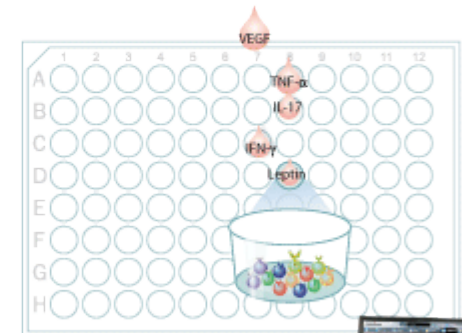
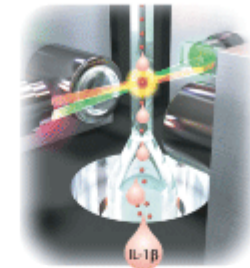
웅비메디텍
학술마케팅팀

R&D Luminex assay란?

R&D Luminex Kits

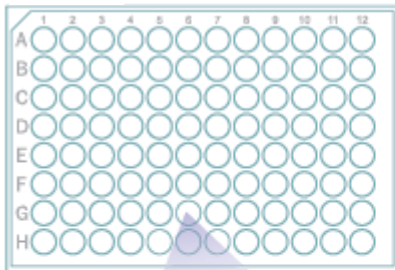
200여개의 Protein 중에서 최대 100개까지 자유롭게 선택!!!

- ✓ Sample 50 μ l로 최대 100개 동시분석
- ✓ R&D Quantikine ELISA (ELISA Gold Standard)와 최고의 correlation
- ✓ Panel Specific control 사용으로 높은 신뢰도 입증
- ✓ Panel Specific diluent 사용으로 정확한 결과 보장

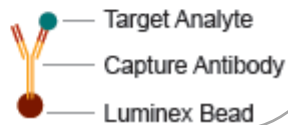


Luminex assay 과정

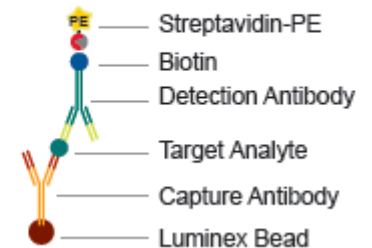
Step 1



Analyte

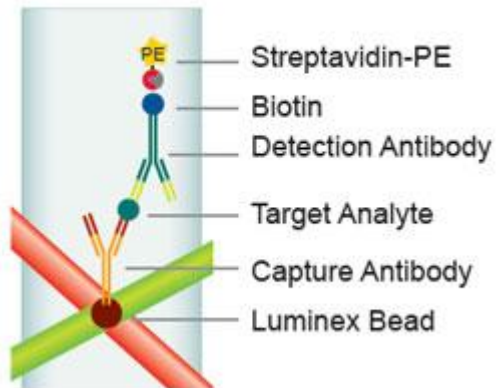


Step 2

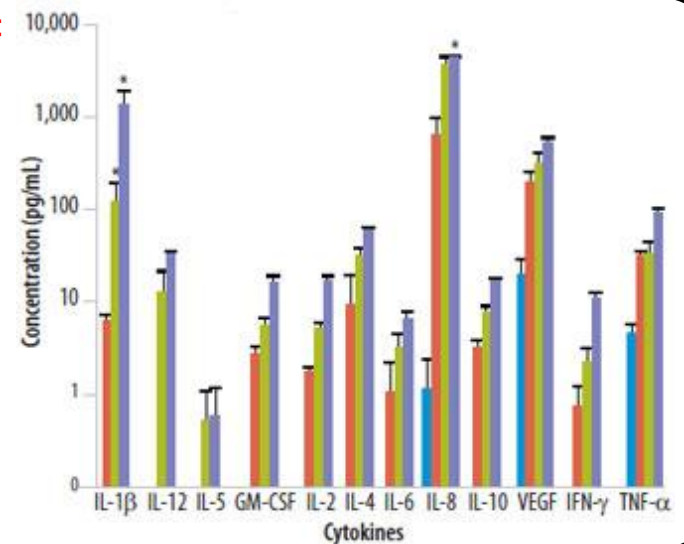


Step 3

Polystyrene or Magnetic



Result



R&D Luminex assay 제품종류

R&D multi-정량 Tool

- **Human Cytokine A (22)**

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

- **Human Cytokine B (9)**

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

- **Human High Sensitivity Cytokine A (12)**

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

- **Human High Sensitivity Cytokine B (18)**

- GM-CSF, IFN- γ , IL-1 β , 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-36 β , TNF- α

- **Human Angiogenesis (17)**

- Angiogenin, Angiopoietin-1, Antiopoeing-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 (5)**

- DKK-1, GKF15, Osteonectin (SPARC), Periostin, YKL40

- **Human Cancer Biomarker(21)**

- AFP, AntithrombinⅢ, CA125, CA15-3, FGF-basic, FAP, HGF, IGFBP-3, IL-6, IL-8, Leptin, MIF, MPO, Osteopontin, PSA(total), SCF, SHBG, TNF- α , VEGF, sFas, sFasL

- **Human Adhesion (4)**

- sICAM-1, sE-Selectin, sP-Selectin, sVCAM-1

- **Human MMP (10)**

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

- **Human TIMP (4)**

- TIMP-1, TIMP-2, TIMP-3, TIMP-4

- **Multi-species TGF- β (3)**

- TGF- β 1, TGF- β 2, TGF- β 3

- **Human Obesity (10)**

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

- **Human Diabetes (9)**

- Leptin, Serpin E1/PAI-1, Resistin, Adiponectin/Acrp30, Complement Factor D/Adipsin, FGF-21, RAGE, GDF-15, Renin

- **Human Cardiac A (6)**

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

- **Human Cardiac B (6)**

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

- **Human Kidney Toxicity (9)**

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

- **Human Neurodegenerative disease (8)**

- MPO, Serpin E1(PAI-1), PDGF-AA, ICAM-1, RAGE, CCL5(RANTES), BDNF, GDNF

- **Human Bone (8)**

- DKK-1, IL-1b, IL-6, Insulin, Leptin, OPN, SOST, TNF-a

- **Human Biomarker (9)**

- BAFF, MIP-3 α , CD14, CD27, CXCL13, GP130, IL-2R α , IL-6R α , TNF RII

제품군 | 자유롭게 최대 100개 까지 선택

Adiponectin	CCL2/MCP-1	CD30	CXCL10/IP-10	E-Selectin	Granzyme B	IL-6 R α	Insulin	MMP-12	PCSK9	Tenascin C	ULBP-4/RAET1E
Aggrecan	CCL3/MIP-1 α	CD31/PECAM-1	CXCL11	FABP1/L-FABP	GH	IL-7	Insulin C-Peptide	MMP-13	Proteinase 3	TFF3	uPA/Urokinase
α -Fetoprotein	CCL4/MIP-1 β	CD40	CXCL12	FABP3/H-FABP	HB-EGF	IL-9	ITIH4	MPO	P-Selectin	TFPI	uPAR
Amphiregulin	CCL5/RANTES	CD40 Ligand	CXCL13	FABP4/A-FABP	HGF	IL-10	Kallikrein 3/PSA	MSP-MST1	RAGE	TfR	Uteroglobin
Angiogenin	CCL7/MCP-3	CD44	CXCL14	Fas	ICAM-1	IL-12 p70	Kallikrein 5	NCAM-1	RBP4	TGF- α	VAP-1
Angiopoietin-1	CCL8/MCP-2	CD163	CXCL16	Fas Ligand	IFN- γ	IL-13	Leptin	Nephrin	Relaxin-2	Thrombospondin-2	VCAM-1
Angiopoietin-2	CCL11/Eotaxin	Chemerin	Cystatin C	FGF acidic	IFN- γ R1	IL-15	LIF	NRG1- β 1	Renin	Tie-1	VEGF -A
Angiopoietin-like 3	CCL13/MCP-4	Chitinase 3-like 1	DcR3	FGF basic	IGFBP-1	IL-17A	Lipocalin-2	NT-4	Resistin	Tie-2	VEGF-C
Angiopoietin-like 4	CCL14	Adipsin	Dkk-1	FGF-21	IGFBP-3	IL-17C	L-Selectin	NT-Pro-ANP	ROBO4	TIM-1/KIM-1	VEGF-D
APP	CCL17/TARC	Coag. Factor XIV	DPPIV/CD26	FLRG	IGFBP-4	IL-17E	Lumican	Oncostatin M	S100A8	TIMP-1	VEGF R3
B7-H1/PDL-1	CCL18/PARC	Collagen IV α 1	DR3	Flt-3 Ligand	IGFBP-7	IL-17F	M-CSF	Osteopontin	S100B	TNF- α	Vitamin D BP
β 2-Microglobulin	CCL19/MIP-3 β	C5/C5a	EGF	Follistatin	IL-1 α	IL-18	MFG-E8	PBEF/Visfatin	SCF	TNF RI	vWF-A2
BCMA	CCL20/MIP-3 α	CRP	EMMPRIN	Galectin-1	IL-1 β	IL-18 BP α	MICA	PDGF-AA	Serpin A7/TBG	TNF RII	
BDNF	CCL21/6Ckine	Cripto-1	Endoglin	Galectin-3	IL-1 ra	IL-19	MICB	PDGF-BB	Serpin C1	Tpo	
BMP-2	CCL22/MDC	CX3CL1	Endostatin	Galectin-3BP	IL-1 RI	IL-22	Midkine	PDGF-CC	Serpin E1	TRAIL	
BMP-4	CCL24/Eotaxin-2	CXCL1/GRO α	Endothelin-1	Galectin-9	IL-1 RII	IL-23	MIF	PDGF-DD	SHBG	TRAIL R2/DR5	
BMP-9	CCL26/Eotaxin-3	CXCL4/PF4	Enolase 2	G-CSF	IL-2	IL-27	MMP-1	Pentraxin 3	SOST	TRAIL R3	
CA125	CCL27/CTACK	CXCL5	ENPP-2	GDF-15	IL-2 R α	IL-28A	MMP-2	Periostin	SPARC	TRANCE/RANK L	
CA15-3	CCL28	CXCL6	EphA2	GDNF	IL-3	IL-31	MMP-3	PIGF	SP-D	TREM-1	
Calbindin D	CD14	CXCL7	ErbB2	Glucagon	IL-4	IL-33	MMP-7	Procalcitonin	ST2/IL-1 R4	ULBP-1	
Cardiac Myoglobin	CD23	CXCL8/IL-8	Epo	GM-CSF	IL-5	IL-34	MMP-8	Progranulin	Synuclein- α	ULBP-2/5/6	
Cardiac Troponin I	CD27	CXCL9/MIG	ESAM	gp130	IL-6	IL-36 β	MMP-9	Prolactin	TACI	ULBP-3	

Mouse Luminex assay (62)

Adiponectin	CCL11/Eotaxin	CXCL10	FGF-21	IL-1 α	IL-7	IL-33	Periostin	Thrombospondin-4
BAFF	CCL20/MIP-3 α	CXCL12	G-CSF	IL-1 β	IL-9	Leptin	PDGF-BB	TIM-1/KIM-1
CD93	CCL22/MDC	Dkk-1	GDF-15	IL-2	IL-10	Lipocalin-2	PCSK9	TNF- α
CCL2/MCP-1	CRP	EGF R	GM-CSF	IL-4	IL-12 p70	LIX	RAGE	TRANCE
CCL3/MIP-1 α	CXCL1-KC	EMMPRIN	HGF	IL-5	IL-13	M-CSF	Resistin	VEGF
CCL4/MIP-1 β	CXCL2/MIP-2	Epo	IFN- γ	IL-6	IL-17A	MMP-9	S100A8	VEGF R2
CCL5/RANTES	CXCL9/MIG	FGF-basic	IGF-I	IL-6 R α	IL-23 p19	Osteopontin	S100A9	

Rat Luminex assay (17)

CXCL2/CINC-3	GM-CSF	IFN- γ	IL-1 β	IL-4	IL-10	IL-18	TIMP-1	VEGF
CXCL3/CINC-2 α/β	ICAM-1/CD54	IL-1 α	IL-2	IL-6	IL-13	L-Selectin/CD62L	TNF- α	