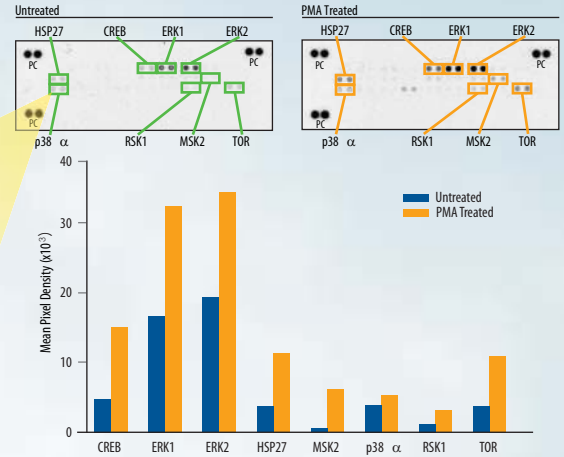
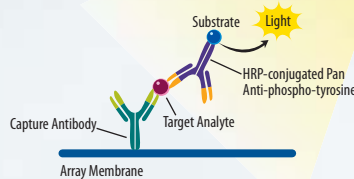


R&D assay for Alzheimer's disease

Target screening을 위한 antibody array, 다양한 종류의 Amyloid β -peptide Alzheimer's disease와 관련된 각종 inhibitor, antibody, ELISA kit

Proteome Profiler Antibody Array

- ✓ 소량의 sample (150 μ g)로 100여개 analytes 동시분석
- ✓ The most referenced arrays
- ✓ Drug screening/Off-target effects/Pathway 확인
- ✓ 사용 Sample로 Western or ELISA 가능
- ✓ Western blot 장비만으로 OK



Human XL Cytokine Array kit (ARY022, 102 analytes)

Adiponectin, Aggrecan, Angiogenin, Angiopoietin-1, Angiopoietin-2, BAFF, BDNF, Complement, Component C5/C5a, CD14, CD30, CD40L, Chitinase 3-like 1, Complement Factor D, C-Reactive Protein, Cripto-1, Cystatin C, Dkk-1, DPPIV, EGF, EMMPRIN, ENA-78, Endoglin, Fas L, FGF basic, FGF-7, FGF-19, Fit-3 L, G-CSF, GDF-15, GM-CSF, GRO- α , Growth Hormone, HGF, ICAM-1, IFN- γ , IGFBP-2, IGFBP-3, IL-1 α , IL-1 β , IL-1ra, IL-2, IL-3, IL-4, IL-5, IL-6, IL-8, IL-10, IL-11, IL-12, 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, IP-10, I-TAC, Kallikrein 3, Leptin, LIF, Lipocalin-2, MCP-1, MCP-3, M-CSF, MIF, MIG, MIP-1 α /MIP-1 β , MIP-3 α , MIP-3 β , MMP-9, Myeloperoxidase, Osteopontin, p70, PDGF-AA, PDGF-AB/BB, Pentraxin-3, PF4, RAGE, RANTES, RBP4, Relaxin-2, Resistin, SDF-1 α , Serpin E1, SHBG, ST2, TARC, TFF3, TfR, TGF- β , Thrombospondin-1, TNF- α , uPAR, VEGF, Vitamin D BP

Human Protease (34 analytes) / Protease Inhibitor (32 analytes) Array Kit (ARY025)

Protease: ADAM8, ADAM9, ADAMTS1, ADAMTS13, Cathepsin A, Cathepsin B, Cathepsin C/DPPI, 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, Nepriylsin/CD10, Presenilin-1, Proprotein Convertase 9, Proteinase 3, uPA/Urokinase

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

Human Protease Array kit (ARY021, 34 analytes)

ADAM8, ADAM9, ADAMTS1, ADAMTS13, Cathepsin A, Cathepsin B, Cathepsin C/DPPI, 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, Nepriylsin/CD10, Presenilin-1, Proprotein Convertase 9, Proteinase 3, uPA/Urokinase

Human Cell stress Array kit (ARY018, 26 analytes)

ADAMTS1, Bcl-2, Carbonic Anhydrase IX, Cited-2, COX-2, Cytochrome c, Dkk-4, FABP1/L-FABP, HIF-1 α , HIF-2 α , IDO, NFkappaB1, p21/CIP1, p27/Kip1, Phospho-p38 α (T180/Y182), Phospho-p53 (S46), Phospho-JNK Pan (T183/Y185), Phospho-HSP27 (S78/S82), HSP60, HSP70, PON1, PON2, PON3, SIRT2, SOD2, Thioredoxin-1

Human Protease Inhibitor Array kit (ARY023, 34 analytes)

APP, Cystatin A, Cystatin B, Cystatin C, Cystatin E/M, EMMPRIN, Fetuin B, HAI-1, HAI-2, HE4/WFDC2, Latexin, Lipocalin-1, Lipocalin-2/NGAL, RECK, Serpin A5, Serpin A8/AGT, Serpin A9/Centerin, Serpin A12, Serpin B5/Maspin, Serpin B6, Serpin B8, Serpin E1/PAI-1, Serpin, F1/PEDF, Testican1/SPOCK1, Testican2/SPOCK2, TFPI, TFPI-2, TIMP-1, TIMP-2, TIMP-3, TIMP-4, Trappin-2/Elafin,

Others: **Human** Angiogenesis (55), Apoptosis (35), Chemokine (37), Cytokine (36), Kidney Biomarker (38), Phospho-MAPK (26), Phospho-Kinase (43), Phospho-RTK (49), Pluripotent Stem Cell (15), sReceptor Array, Hematopoietic (48), sReceptor Array, Non-Hematopoietic (62), Phospho-Immunoreceptor (59) **Mouse** Angiogenesis (53), Adipokine (38), Cytokine (40), Chemokine (25), Phospho-RTK (39) **Rat** Adipokine (30), Cytokine (29)

Alzheimer's Disease 관련된 각종 small molecules

Amyloid β peptides

Cat. No.	Product Name	Primary Action
2425	r Amyloid β -peptide (1-42)	Predominant amyloid β -protein fragment
1428	h Amyloid β -peptide (1-42)	Predominant amyloid β -protein fragment
3391	h Amyloid β -peptide (42-1)	Inactive control peptide for amyloid β -peptide (1-42)
1191	h Amyloid β -peptide (1-40)	Amyloid β -protein fragment
2424	r Amyloid β -peptide (1-40)	Amyloid β -protein fragment
1892	h Amyloid β -peptide (10-20)	Amyloid β -peptide; substrate for MMP-2
1894	h Amyloid β -peptide (12-28)	Amyloid β -peptide; minimum required for binding to brain proteins
1429	h Amyloid β -peptide (25-35)	Human amyloid β -protein fragment functionally required for neurotoxicity

γ -secretase inhibitors

Cat. No.	Product Name	Primary Action
4283	Begacestat	γ -secretase inhibitor; lowers Abeta40 and Abeta42 levels
2870	BMS 299897	Potent γ -secretase inhibitor
2654	Compound W	γ -secretase inhibitor
2634	DAPT	γ -secretase inhibitor
4495	Flurizan	γ -secretase inhibitor; lowers Abeta42 levels in vitro
2627	L-685, 458	Potent and selective γ -secretase inhibitor
4000	MRK560	γ -secretase inhibitor; attenuates amyloid plaque deposition

Amyloid β inhibitors

Cat. No.	Product Name	Primary Action
2442	CGP53353	inhibits <i>de novo</i> A β 42 assembly <i>in vitro</i>
4524	EGCG	Inhibits formation of amyloid fibrils
2408	Ro 90-7501	Inhibitor of Abeta42 fibril formation
4426	Tanshinone IIA	Inhibitor of beta-amyloid aggregation

Alzheimer's Disease와 관련된 Antibodies, Proteins and ELISAs

MOLECULE	PROTEINs	Abs		ELISAs	MOLECULE	PROTEINs	Abs		ELISAs
		WB	ICC/IHC				WB	ICC/IHC	
ADAM10	H, M	H, M	H, M		Clusterin	H, M	H, M	H, M	H, M
Apolipoprotein E/ApoE	H	H		H	Complement Component C1qC		H	H	
APP/Protease Nexin II	H	H, M, R, Ca, Pr	H, M	H, M, R	Cystatin C	H, M, R	H, M, R	H, M, R	H, M
APP 695+1		H	H		DISC1		H	H	
APP+1	H	H			DYRK1A		H, R	H, R	
BACE-1	H, M	H, M	H, M		DYRK2		H, M, R	H, R	
BACE-2	M	H, M	H		ECE-1	H, M	H	H	
MMP-9	H, M, R	H, M	H, M	H, M	ECE-2	H	H	H	
Presenilin-1		H	H	H	FPRL1				
Presenilin-2		H	H		F-Spondin/SPON1	H	H		
TACE/ADAM17	H, M	H	H	H	Insulysin/IDE	H, R	H		
Acetylcholinesterase/ACHE	M				ITM2B			H	
ADAM9	H, M	H, M	M	H	ITM2C		H		
ADAMTS4	H	H			Kallikrein 6/Neurosin	H	H	H	
APBA2		H, M, R			LRRRTM3	H, M	H, M	H, M	
APBA3		H			MMP-2	H, M, R	H, M, R	H, M, R	H
APH1A			H		Nepilysin/CD10	H, M	H, M	H, M	H, M
APLP-1		H, M	H		Neurolysin	H	H, M, R		
APLP-2		H, M			Nicastrin		H	H	
Arylsulfatase A/ARSA	H, M	H	H		RAGE	H, M, R, Ca	H, M, R, Ca	H, M, R	H, M, R, Ca
Cathepsin B	H, M	H, M	H, M	H	Serpin A3/ α -Antichymotrypsin	H	H		
Cathepsin D	H, M	H, M	H, M		Serpin A3N	M	M		
Cathepsin E	H, M	H, M	H, M		Serpin E2/PN1	H, M	H, M		
					Thimet Oligopeptidase/THOP1	H	H	H	

Ca: Canine, H: Human, M: Mouse, Pr: Primate, R: Rat

WB: Western blot, ICC: Immunocytochemistry, IHC: Immunohistochemistry