

# Alzheimer's Disease Products

Alzheimer's disease is a progressive and most common irreversible dementia, a general term for memory loss and other cognitive abilities serious enough to interfere with daily life. BioVision offers many tools for Alzheimer's disease research.

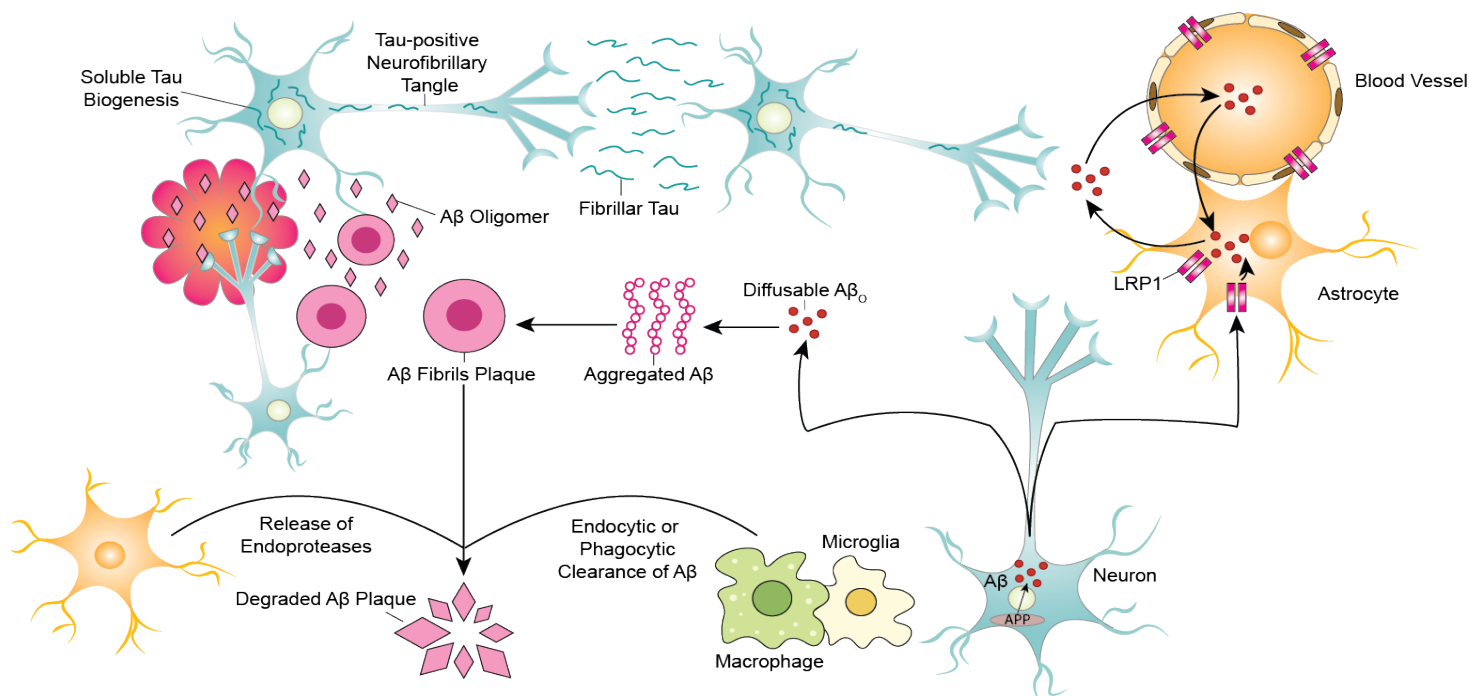


Figure adapted from: Nature Reviews Disease Primers volume 1, Article number: 15056 (2015)

## Acetylcholine Nicotinic Receptors

Acetylcholine Nicotinic Receptors are proteins responding to the neurotransmitter acetylcholine, drugs that include nicotine. They are ligand gated channels modulating cell membrane potentials.

### Antibodies

Product Name	Cat. No.	Size
Anti-PSCA Antibody	A1611	100 µl

### Biochemicals

Product Name	Cat. No.	Size	CAS No.
Ivermectin	2721	50 mg, 250 mg	70288-86-7

## Amyloid β

Amyloid β peptide fragment is considered as the prime suspect in AD disease. It is known as a sticky compound accumulating in the AD patients, disrupting communication between brain cells and eventually killing them.

### Antibodies

Product Name	Cat. No.	Size
β -Amyloid Polyclonal Antibody	3356	100 µg
Anti-Human Amyloid Beta 1-17 Antibody (Clone C4D10)	5006	100 µg

### Biochemicals

Product Name	Cat. No.	Size
Human β-Secretase (BACE1) Inhibitor Screening Kit (F)	K720	100 Assays
Neprilysin Activity Assay Kit (F)	K487	100 Assays

## Proteins

Product Name	Cat. No.	Size
Human CellExp™ Neprilysin /CD10, human recombinant	7445	10 µg
NNT-1/BCSF-3, Human Recombinant	P1332	2 µg, 10 µg

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
trans-ISRIB	B1906	5 mg, 25 mg	1597403-47-8

## ApoE (Apolipoprotein E)

Apolipoprotein E (ApoE) is composed of fats, proteins and comprises dominant part in the brain. They are involved in the metabolism of fats in the body that are important in Alzheimer's disease and cardiovascular disease.

### Antibodies

Product Name	Cat. No.	Size
ApoE Antibody (CT)	6720	100 µl
ApoE2 Antibody	5760	30 µg, 100 µg
ApoE3 Antibody	5696	30 µg, 100 µg
ApoE4 Antibody	5699	30 µg, 100 µg

### ELISA Kits

Product Name	Cat. No.	Size
Apolipoprotein E (human) ELISA Kit	K4696	96 Assays
Apolipoprotein E4/Pan-ApoE (human) ELISA Kit	K4699	96 Assays

C: Colorimetric; F: Fluorometric

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**BioVision**  
BioVision Incorporated



## Proteins

Product Name	Cat. No.	Size
ApoE2, human recombinant	4760	50 µg, 100 µg, 500 µg, 1 mg, 5 mg
ApoE3, human recombinant	4696	50 µg, 100 µg, 500 µg, 1 mg, 5 mg
ApoE4, human recombinant	4699	50 µg, 100 µg, 500 µg, 1 mg, 5 mg
Apolipoprotein E, Human Plasma	7284	50 µg
Human CellExp™ LDL R, Fc Tag, Human recombinant	P1128	10 µg, 50 µg
Human CellExp™ LDLR, human recombinant	7472	10 µg, 50 µg

## APP (Amyloid precursor protein)

Amyloid precursor protein (APP) is a precursor molecule generating amyloid beta after proteolysis. Several isoforms of APP are known till date associated with Alzheimer's disease. It goes through several post translational modifications to give many peptide fragments.

## Antibodies

Product Name	Cat. No.	Size
β-Amyloid Polyclonal Antibody	3356	100 µg
Anti-Human Amyloid Beta 1-17 Antibody (Clone C4D10)	5006	100 µg
APP Antibody	6001	100 µg
APP Antibody (CT)	5045	100 µg
BACE Antibody (CT)	5051	100 µg
BACE1 Antibody	6651	30 µg, 100 µg
BACE2/Asp1 Antibody	6102	100 µg
BACE2C Antibody (CT)	6723	100 µl
TACE Antibody	3222	100 µg
TACE Antibody	3222R	30 µg, 100 µg

## Assay Kits

Product Name	Cat. No.	Size
β-Secretase (BACE1) Activity Assay Kit (F)	K388	100 Assays

## ELISA Kits

Product Name	Cat. No.	Size
Amyloid Beta 42 (Human) ELISA Kit	E4288	96 Assays

## Proteins

Product Name	Cat. No.	Size
Active Recombinant Human beta-Secretase 1 - BACE-1	7609	5 µg, 50 µg, 1 mg
APP (His-tagged), human recombinant	7887	10 µg, 50 µg
Cathepsin B (active, human)	1021	5 µg
Human CellExp™ BACE1, human recombinant (Native)	7398	10 µg, 50 µg
Human CellExp™ Cathepsin B, human recombinant	7408	10 µg
Human CellExp™ Cathepsin S, human recombinant	7277	10 µg, 50 µg
Human CellExp™ E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant	7420	25 µg

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
Compound W	2208	50 mg, 250 mg	173550-33-9
Leucettine L41	2617	1 mg, 5 mg	1112978-84-3
LX-2343	B2120	5 mg, 25 mg	333745-53-2
MK-0752	B1980	1 mg, 5 mg	471905-41-6
EZSolution™ TAPI-1	2537	1 mg	171235-71-5
TAPI-1	2068	1 mg	171235-71-5
TBPB	B1041	10 mg, 50 mg	634616-95-8

## Autophagy

Autophagy is a natural regulated mechanism where a cell breaks down its dysfunctional components to be degraded in lysosomes, thus balancing the sources of energy in the critical cellular stress state. Autophagy is closely linked to Apoptosis.

## Antibodies

Product Name	Cat. No.	Size
AMPKα1 Antibody	3110	100 µg
AMPKα2 Antibody	3117	100 µg
AMPKα2 Antibody	3169	100 µg
AMPKα Antibody	3113	100 µg
Anti-LC3B Rabbit Monoclonal Antibody	A1599	50 µl
APG10/ATG10 Antibody	3910	100 µg
APG12/ATG12 Antibody	3912	30 µg, 100 µg
APG12/ATG12 Blocking Peptide	3912BP	50 µg
APG16/ATG16 Antibody	3916	30 µg, 100 µg
APG16/ATG16 Blocking Peptide	3916BP	50 µg
Apg5/Atg5 Blocking Peptide	3886BP	50 µg
Apg5/Atg5 Antibody	3886	30 µg, 100 µg
APG7/ATG7 Antibody	3907	30 µg, 100 µg
APG7/ATG7 Blocking Peptide	3907BP	50 µg
ATG16 Antibody (Center)	5070	100 µg
ATG9B Antibody (CT)	5065	100 µg
Bad Antibody	3030	100 µg
Bax Antibody	3032	30 µg, 100 µg
Bax Blocking Peptide	3032BP	50 µg
Bcl-2 Antibody	3033	30 µg, 100 µg
Bcl-2 Antibody (Clone Bcl-2/100)	3195	100 µg
Beclin 1 Antibody	3663	30 µg, 100 µg
Beclin 1 Blocking Peptide	3663BP	50 µg
Bid Antibody	3172	30 µg, 100 µg
Bid Antibody	3272	30 µg, 100 µg
Bid Blocking Peptide	3172BP	50 µg
Bid Blocking Peptide	3272BP	50 µg
Bnip3L/Nix Antibody	3205	100 µg
Calreticulin Antibody	3077	30 µg, 100 µg
Calreticulin Antibody (Clone S75)	3076	100 µg
Calreticulin Blocking Peptide	3077BP	50 µg
DRAM Antibody (NT)	5075	100 µg
FKBP12 Antibody	3635	30 µg, 100 µg
FKBP12 Blocking Peptide	3635BP	50 µg
IRS-1 Antibody	3424	100 µg
IRS-1 Blocking Peptide	3424BP	50 µg
LAMP-1 Antibody (Center)	5077	100 µg
LAMP-2 Antibody (CT)	5078	100 µg
LC3 (APG8) Antibody (Clone 166AT1234)	3233	100 µl
LC3 (APG8A) (Isoform A specific) Antibody	3235	100 µl
LC3 (APG8A) (NT) Antibody	6948	100 µl
LC3 (APG8B) (NT) Antibody	6946	100 µl
LC3 (APG8C) Antibody	6950	100 µl
LC3A (Cleaved) Antibody	6947	100 µl
LC3B (Cleaved) Antibody	6949	100 µl
Mek1/2 Antibody	3518	100 µl
mTOR Antibody	3786	100 µl
PCNA Antibody	3350R	30 µg, 100 µg
PCNA Blocking Peptide	3350RBP	50 µg
PDK1 Antibody	3449	30 µg, 100 µg
PDK1 Blocking Peptide	3449BP	50 µg
Phospho-Bad Antibody	3269	100 µg
Phospho-Elk-1 Antibody	3388	100 µg

## Antibodies

Product Name	Cat. No.	Size
Phospho-IRS (Ser616) Antibody (Clone HIR-B1)	3105	100 µg
Phospho-LC3C(S12) Antibody	6951	100 µl
Phospho-Mek1/2 Antibody	3519	100 µl
Presenilin 1 Antibody	3481	100 µg
Presenilin 2 Antibody	3482	100 µg
PTEN Antibody	3479	100 µg

## Autophagy Inducers

Product Name	Cat. No.	Size
Amiodarone Hydrochloride	1828	100 mg, 500 mg
C2-Dihydroceramide	2391	5 mg, 25 mg
Clonidine hydrochloride	2684	100 mg, 500 mg
Dorsomorphin	1686	5 mg
Loperamide hydrochloride	2683	500 mg, 1 g
Rasfonin	B1977	500 µg
Rottlerin	1827	10 mg
SBI-0206965	9580	5 mg, 25 mg
SMER28	1856	5 mg, 25 mg
Xanthohumol	2258	5 mg, 25 mg

## Autophagy Inhibitors

Product Name	Cat. No.	Size
ATM Kinase Inhibitor, KU-55933	1685	5 mg
Bafilomycin A1	1829	50 µg, 250 µg
Chloroquine Diphosphate	1825	100 mg, 500 mg
EZSolution™ Gö 6976	1785	500 µg
Gö 6976	1711	500 µg
Hydroxychloroquine sulfate	B2051	50 mg, 250 mg
Lys01 trihydrochloride	B2117	5 mg, 25 mg
3-Methyladenine	2249	25 mg, 100 mg
MHY1485	9419	5 mg, 25 mg
SAR-405	B1286	5 mg, 25 mg
Spautin-1	2037	5 mg, 25 mg

## ELISA Kits

Product Name	Cat. No.	Size
MTOR (Human) ELISA Kit	K4179	96 Assays

## β-Catenin

β-Catenin is a multi-functional protein involved in regulation of cell adhesion, proliferation and differentiation. Also negatively regulates the centrosome cohesion.

## Antibodies

Product Name	Cat. No.	Size
Anti-Catenin, alpha-1 Antibody (1G5)	A1466	100 µg
LRP-5/6 Antibody	3714	30 µg, 100 µg

## ELISA Kits

Product Name	Cat. No.	Size
β-catenin (human) ELISA Kit	K3381	96 Assays
β-catenin (mouse) ELISA Kit	K3382	96 Assays
β-catenin (rat) ELISA Kit	K3383	96 Assays

## Proteins

Product Name	Cat. No.	Size
Human CellExp™ R spondin-1, human recombinant	7482	10 µg
WISP-1, Human Recombinant	P1281	5 µg, 20 µg

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
BML-284	B1077	10 mg, 50 mg	853220-52-7
CRT Inhibitor, lcr5	1896	5 mg, 25 mg	N/A
ICG-001	2275	5 mg, 25 mg	847591-62-2
IM-12	2822	5 mg, 25 mg	1129669-05-1
IQ-1	1663	1 mg	331001-62-8
IWP-3	2349	1 mg, 5 mg	687561-60-0
JW55	2612	5 mg, 25 mg	664993-53-7
PNU-74654	B1837	5 mg, 25 mg	113906-27-7
XAV939	1727	1 mg	284028-89-3

## Cholinesterases

Cholinesterases are a group of serine hydrolases that lyses or inactivates the neurotransmitter acetylcholine to choline and acetic acid. Acetylcholinesterase (AChE) is found at neuronal synapses and ends cholinergic neurotransmission.

## Antibodies

Product Name	Cat. No.	Size
BCHE Antibody (Center)	6724	100 µl

## Assay Kits

Product Name	Cat. No.	Size
Butyrylcholinesterase Activity Kit (C)	K516	100 Assays
Cholinesterase Activity Assay Kit (C)	K975	100 Assays

## Complement system

The complement system consists of proteins that form biochemical cascade participating in series of inflammatory responses to fight infection. This system acts complementary to antigen antibody interaction, or independently.

## C5A

## Antibodies

Product Name	Cat. No.	Size
C5a Antibody	5895	30 µg, 100 µg
C5a Antibody	5995	30 µg, 100 µg

## Proteins

Product Name	Cat. No.	Size
C5a (His-Tag), human recombinant	4995A	20 µg, 100 µg, 1 mg
C5a (His-Tag), murine recombinant	4895A	20 µg, 100 µg, 1 mg
C5a, human recombinant	4995B	20 µg, 100 µg, 1 mg
Complement C5, Human Plasma	P1273	25 µg, 100 µg

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
Aurantimycin A	9692	1 mg, 5 mg	162478-50-4

## C3

## Antibodies

Product Name	Cat. No.	Size
Anti-CD35 / CR1 Antibody (E11)	A1522	100 µg

## Proteins

Product Name	Cat. No.	Size
Human CellExp™ CD55/DAF, human recombinant	7432	10 µg, 50 µg

## COX (Cyclooxygenases)

Cyclooxygenase (COX), known as prostaglandin-endoperoxide synthase (PTGS), is an enzyme that is responsible for formation of prostanoids, and prostaglandins such as prostacyclin, from arachidonic acid. They are expressed in three isoforms in cells, COX-1 and 2 catalyze the rate limiting step of prostaglandin synthesis.

## Antibodies

Product Name	Cat. No.	Size
Cox-1 Antibody	3361	30 µg, 100 µg
Cox-2 Antibody	3362R	30 µg, 100 µg
Cox-3 Antibody	3687	30 µg, 100 µg

## Assay Kits

Product Name	Cat. No.	Size
COX-2 Inhibitor Screening Kit (F)	K547	100 Assays
Cyclooxygenase (COX) Activity Assay Kit (F)	K549	100 Assays
Cyclooxygenase-1 (COX-1) Inhibitor Screening Kit (F)	K548	100 Assays
PicoProbe™ 15-PGDH Activity Assay Kit (F)	K562	100 Assays

## ELISA Kits

Product Name	Cat. No.	Size
Prostaglandin E2 (PGE2) ELISA Kit	E4637	96 Assays

## Proteins

Product Name	Cat. No.	Size
Cyclooxygenase 2, Human Recombinant (Insect)	P1344	200 µU, 1000 µU

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
AKR1C3 Inhibitor III	2424	5 mg, 25 mg	N/A
Ciclopirox	B2079	10 mg, 50 mg	29342-05-0
Curcumin, Curcuma longa (High Purity)	1850	10 mg, 50 mg	458-37-7
Celecoxib	1574	100 mg, 1 g	169590-42-5
Cimicoxib	B1984	5 mg, 25 mg	265114-23-6
Deracoxib	B1985	10 mg, 50 mg	169590-41-4
DuP-697	B1517	5 mg, 25 mg	88149-94-4
Ebselen	2169	5 mg, 25 mg	60940-34-3
Etoricoxib	B1983	10 mg, 50 mg	202409-33-4
Firocoxib	B1986	5 mg, 25 mg	189954-96-9
6-Gingerol	2507	5 mg, 25 mg	23513-14-6
GW-441756	B1147	5 mg, 25 mg	504433-23-2
Ketorolac	B2170	10 mg, 50 mg	74103-06-3
Loganin	B1161	10 mg, 50 mg	18524-94-2
LOXO-195	B2226	1 mg, 5 mg	2097002-61-2
Lumiracoxib	B1987	5 mg, 25 mg	220991-20-8
Mavacoxib	B1988	5 mg, 25 mg	170569-88-7
Nimesulide	2777	1 g, 5 g	51803-78-2
Parecoxib Sodium	B1989	10 mg, 50 mg	198470-85-8
Prostaglandin E2	2268	5 mg, 25 mg	363-24-6
Robenacoxib	B1990	5 mg, 25 mg	220991-32-2
Rofecoxib	B1982	10 mg, 50 mg	162011-90-7
SKF-86002	2894	5 mg, 25 mg	72873-74-6
Valdecoxib	B1991	5 mg, 25 mg	181695-72-7

## Dynamin

Dynamin is GTPase implicated in the membrane remodeling and membrane dynamics. They are involved in events like budding, scission etc that may lead to the formation of endocytic vesicles.

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
Dynasore	1900	5 mg, 25 mg	304448-55-3
Mdivi -1	2441	5 mg, 25 mg	338967-87-6

## DYRKs (Dual specificity tyrosine-phosphorylation-regulated kinases)

Dual specificity tyrosine-phosphorylation-regulated kinases retains both serine/threonine and tyrosine kinase activities. They are well known for their role in signaling pathways, cell survival, regulations of nuclear functions, cell proliferation, pathology of Alzheimers disease and Down's syndrome.

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
7BIO	9690	5 mg, 25 mg	916440-85-2
Harmine	2561	50 mg, 250 mg	442-51-3
Leucettine L41	2617	1 mg, 5 mg	1112978-84-3

## Estrogen & Related Products

Estrogen plays important role in maintaining the normal function of the cardiovascular and nervous systems and is responsible for the growth and maintenance of the skeleton. Many cellular processes including growth, differentiation and function of the reproductive system is controlled by Estrogen.

## Antibodies

Product Name	Cat. No.	Size
Anti-AGR2 Antibody	A1008	100 µl
Anti-BCAS3 Antibody	A1292	100 µg
Caper Antibody	3733	100 µl
Estrogen Sulfotransferase Antibody	3829	30 µg, 100 µg
HSP90 Antibody	5858	30 µg, 200 µg
Hsp90 Antibody	3389	30 µg, 100 µg
LDHA Antibody (Center)	6736	100 µl
LDHA Antibody (CT)	6735	100 µl
LDHAL6B Antibody (NT)	6737	100 µl
NCOA1 Antibody	6153	100 µg

## Blocking Peptides

Product Name	Cat. No.	Size
Estrogen Sulfotransferase Blocking Peptide	3829BP	50 µg

## ELISA Kits

Product Name	Cat. No.	Size
Androstenedione ELISA Kit	E4615	96 Assays
Diethylstilbestrol (DES) ELISA Kit	E4278	96 Assays
Estrilol (E3) ELISA Kit	E4627	96 Assays
Estrogen (Human) ELISA Kit	K4264	96 Assays
Estrogen (Mouse) ELISA Kit	K4265	96 Assays
Estrogen (Rat) ELISA Kit	K4266	96 Assays
Estrogen ELISA Kit	E4616	96 Assays
Estrogen Receptor (ERα) (Human) ELISA Kit	K4267	96 Assays
Estrogen Receptor β (ERβ) (human) ELISA Kit	K4268	96 Assays
Pregnenolone ELISA Kit	E4633	96 Assays

## Proteins

Product Name	Cat. No.	Size
Anterior gradient 2 homolog, human recombinant	P1154	20 µg, 100 µg
AZD9496	B1652	5 mg, 25 mg
C7280948	B1153	10 mg, 50 mg
CYR61, Human Recombinant	7131	10 µg, 50 µg
Elagolix sodium	B2112	5 mg, 25 mg
Endoxifen	9614	10 mg, 50 mg
Exemestane	9473	5 mg, 25 mg
(E/Z)-4-Hydroxytamoxifen	B2030	5 mg, 25 mg

## Proteins

Product Name	Cat. No.	Size
Fulvestrant	B1863	5 mg, 25 mg
Human Recombinant LDHA	6374	100 µg
Lasofloxifene tartrate	9680	5 mg, 25 mg
2-Methoxyestradiol	2166	5 mg, 25 mg
PI3K (p85α) Protein	7766	5 µg, 100 µg
Radicalol	B1533	1 mg, 5 mg
Toremifene citrate	B1049	10 mg, 50 mg
(Z)-4-Hydroxytamoxifen	B1114	5 mg, 25 mg

## Ferroptosis

Ferroptosis is a type of iron dependent programmed cell death after the loss of glutathione peroxidases activity. It features accumulation of lipid peroxides and is clearly distinguishable from other forms of regulated cell death.

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
Erastin	2231	1 mg, 5 mg	571203-78-6
EZSolution™ Erastin	B1502	1 mg	571203-78-6
Ferostatin-1	2230	5 mg, 25 mg	347174-05-4

## Glutamate Receptors (Ionotropic)

Glutamate Receptors (Ionotropic) are activated by neurotransmitter glutamate mediating excitatory synaptic transmission playing important role in synaptic plasticity in the CNS system. Glutamate ionotropic receptors are comprised of NMDA, AMPA and kainite class of receptors.

## Assay Kits

Product Name	Cat. No.	Size
EZScreen™ Alanine Aminotransferase (ALT or SGPT) Activity Assay Kit (384-Well)	K941	100 Assays
Alanine Aminotransferase (ALT or SGPT) Activity Assay Kit (C/F)	K752	100 Assays
Alanine Assay Kit (C/F)	K652	100 Assays
Alpha-Ketoglutarate Assay Kit (C/F)	K677	100 Assays
Aspartate Aminotransferase (AST or SGOT) Activity Assay Kit (C)	K753	100 Assays
Glutamate Assay Kit (C)	K629	100 Assays
Glutamate Dehydrogenase Activity Assay Kit (C)	K729	100 Assays
Glutamine Assay Kit (C)	K556	100 Assays
PicoProbe™ Tyrosine Aminotransferase Activity Assay Kit (F)	K486	100 Assays

## Antibodies

Product Name	Cat. No.	Size
Anti-CACNG5 Antibody	A1193	100 µl
Anti-GOT1 Antibody	A1272	100 µl
Anti-GOT2 Antibody	A1273	100 µl
Anti-GPT/ALT1 Antibody	A1271	100 µl
Anti-GPT2/ALT2 Antibody	A1270	100 µl
EPO Antibody	6969	100 µg
Phospho (Tyr1472) NMDA NR2B Antibody	3616	100 µl
SIRT4 Antibody	3224	30 µg, 100 µg

## ELISA Kits

Product Name	Cat. No.	Size
Alanine Aminotransferase 1 (GPT) (Human) ELISA Kit	E4323	96 Assays
Alanine Aminotransferase 1 (GPT) (Mouse) ELISA Kit	E4324	96 Assays

## ELISA Kits

Product Name	Cat. No.	Size
Alanine Aminotransferase 1 (GPT) (rat) ELISA Kit	E4325	96 Assays
Aspartate Aminotransferase (AST) (Human) ELISA Kit	E4319	96 Assays
Aspartate Aminotransferase (AST) (Mouse) ELISA Kit	E4320	96 Assays
Aspartate Aminotransferase (AST) (Rat) ELISA Kit	E4321	96 Assays

## Proteins

Product Name	Cat. No.	Size
Alanine Aminotransferase (ALT, GPT), Porcine Heart	P1298	1 kU, 10 kU
Aspartate Aminotransferase (AST, GOT), Human Liver	P1299	1 Units
Aspartate Aminotransferase (AST, GOT), Porcine Heart	P1300	10 µg, 50 µg
Human CellExp™ CNDP1, Human recombinant	P1125	10 µg, 50 µg
Human CellExp™ GAD1, human recombinant	7250	10 µg
GAD1, human recombinant	P1153	10 µg, 50 µg
Glutamine Synthetase, human recombinant	P1067	10 µg, 50 µg
GOT2, human recombinant	7809	100 µg
Human CellExp™ PSMA / FOLH1, C-His Tag, human recombinant	P1304	5 µg, 25 µg
SIRT4 (GST-tagged), Human recombinant	7673	20 µg, 50 µg

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
ADX-47273	9562	10 mg, 50 mg	851881-60-2
Congo Red	2588	100 mg, 500 mg	573-68-0
Evans Blue Tetrasodium	2586	1 g	314-13-6
JM6	1913	5 mg, 25 mg	N/A
Kainic acid	2279	5 mg, 25 mg	487-79-6
Lamotrigine	B1234	10 mg, 50 mg	84057-84-1
Loperamide hydrochloride	2683	500 mg, 1 g	34552-83-5
LuAF21934	B1302	5 mg, 25 mg	1445605-23-1
LY-341495	2875	1 mg, 5 mg	201943-63-7
MPEP hydrochloride	B1151	10 mg, 50 mg	219911-35-0
NAALDase Inhibitor, PMPA	2478	5 mg, 25 mg	173039-10-6
NBQX disodium salt	2759	5 mg, 25 mg	479347-86-9
Noopept	B2148	5 mg, 25 mg	157115-85-0
R162	B1180	5 mg, 25 mg	64302-87-0
Ro 61-8048	1912	5 mg, 25 mg	199666-03-0
Rose bengal	2587	100 mg, 500 mg	632-69-9
VU 0364439	2815	5 mg, 25 mg	1246086-78-1
VU0155041	B1299	5 mg, 25 mg	1093757-42-6
VU0361737	9418	5 mg, 25 mg	1161205-04-4

## AMPA

### Antibodies

Product Name	Cat. No.	Size
Anti-CACNG5 Antibody	A1193	100 µl

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
Evans Blue Tetrasodium	2586	1 g	314-13-6
LY404187	2698	5 mg, 25 mg	211311-95-4
MPEP hydrochloride	B1151	10 mg, 50 mg	219911-35-0
NBQX disodium salt	2759	5 mg, 25 mg	479347-86-9
NS-3763	B1814	5 mg, 25 mg	70553-45-6

## NMDA Assay Kits

Product Name	Cat. No.	Size
Aspartate Assay Kit (C/F)	K552	100 Assays

## Antibodies

Product Name	Cat. No.	Size
Phospho (Tyr1472) NMDA NR2B Antibody	3616	100 µl

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
Bongkrekic Acid, Triammonium Salt	1820	100 µg	11076-19-0
CIQ	B2005	5 mg, 25 mg	486427-17-2
D (+)-Cycloserine	B1188	100 mg, 500 mg	68-41-7
Dextromethorphan (hydrobromide hydrate)	2912	5 mg, 100 mg	6700-34-1
Felbamate	B2004	10 mg, 50 mg	25451-15-4
JM6	1913	5 mg, 25 mg	N/A
Loperamide hydrochloride	2683	500 mg, 1 g	34552-83-5
NS-3763	B1814	5 mg, 25 mg	70553-45-6
QNZ46	B2007	5 mg, 25 mg	1237744-13-6
Ro 61-8048	1912	5 mg, 25 mg	199666-03-0

## Kainate

### Biochemicals

Product Name	Cat. No.	Size	CAS No.
Evans Blue Tetrasodium	2586	1 g	314-13-6
Kainic acid	2279	5 mg, 25 mg	487-79-6
NS-3763	B1814	5 mg, 25 mg	70553-45-6

## Glycogen Synthase Kinase

Glycogen Synthase Kinase is a serine threonine protein kinase known to be one of the busiest kinase recruited for substrate phosphorylation on serine and threonine amino acid residues. It plays important role in regulating numerous cellular functions like post translational modifications, cellular trafficking etc. implicating in diseases like Diabetes, cancer, Alzheimer's and bipolar diseases.

## Antibodies

Product Name	Cat. No.	Size
Anti-c-Myc Oncoprotein Antibody (MYC275)	A1450	100 µg
GSK-3a Antibody	3493	100 µg
GSK-3b Antibody	3494	30 µg, 100 µg
GSK-3a Antibody	6676	30 µg, 100 µg
Phospho-GSK-3b Antibody	3495	100 µg
Phospho-GSK3 (Tyr216) Antibody	A1037	100 µg

## ELISA Kits

Product Name	Cat. No.	Size
Glycogen Synthase Kinase (GSK) (Mouse) ELISA Kit	E4609	96 Assays
Glycogen Synthase Kinase (GSK) (Rat) ELISA Kit	E4610	96 Assays

## Proteins

Product Name	Cat. No.	Size
Akt1, Active	7701	5 µg, 100 µg
GSK-3a-GST Fusion Protein	7003	100 µg
GSK-3β, human recombinant	7004	10 µg, 100 µg, 1 mg
PKD1, Active	7706	5 µg

## GSK Inhibitors

Product Name	Cat. No.	Size	CAS No.
Alsterpallone	1897	1 mg, 5 mg	237430-03-4
BIO	1673	1 mg	667463-62-9
Bisindolylmaleimide I	1945	1 mg, 5 mg	133052-90-1
CHIR 99021 trihydrochloride	B1199	5 mg, 25 mg	1782235-14-6
EZSolution™ CHIR99021 trihydrochloride, Sterile-Filtered	B1219	1 ml	1782235-14-6
GSK-3 Inhibitor, AR-A014418	1953	2 mg, 5 mg	487021-52-3
10Z-Hymenialdisine	2212	250 µg, 1 mg	82005-12-7
Ro 31-8220 methanesulfonate	1946	1 mg, 5 mg	138489-18-6
SB 216763	1769	1 mg, 5 mg	280744-09-4
SB-415286	B1954	5 mg, 25 mg	264218-23-7
TDZD-8	2854	5 mg, 25 mg	327036-89-5

## IDO (Indoleamine 2,3 dioxygenase)

Indoleamine 2,3 dioxygenase (IDO, EC 1.13.11.17) is a heme containing enzyme encoded by IDO-1 gene catalyzing rate-limiting elementary step of the Kynurenine pathway cleaving L-tryptophan (L-Try) to N-formyl-kynurenine (Nfk).

## Assay Kits

Product Name	Cat. No.	Size
Indoleamine 2,3-Dioxygenase 1 (IDO1) Activity Assay Kit	K972	100 Assays
Indoleamine 2,3-Dioxygenase 1 (IDO1) Inhibitor Screening Kit	K976	100 Assays

## Proteins

Product Name	Cat. No.	Size
IDO1, human recombinant	P1096	10 µg, 50 µg

## IDO Inhibitors

Product Name	Cat. No.	Size	CAS No.
IDO Pathway inhibitor	2746	50 mg, 250 mg	110117-83-4
IDO1 Inhibitor I	2745	5 mg, 25 mg	914471-09-3
INCB-024360	9477	5 mg, 25 mg	1204669-58-8
Menadione	2747	500 mg, 1 g	58-27-5
NLG919	9407	5 mg, 25 mg	1402836-58-1
PF-06840003	B2218	1 mg, 5 mg	198474-05-4

## KMO (Kynurenine 3-monoxygenase)

Kynurenine 3-mono-oxygenase is a key enzyme in kynurenine pathway, is central to the pathogenesis of MODS (multiple organ dysfunction syndrome)

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
JM6	1913	5 mg, 25 mg	N/A
Ro 61-8048	1912	5 mg, 25 mg	199666-03-0

## Microtubule

Microtubules are tubular polymers of tubulin that forms cytoskeleton for the cytoplasm of the eukaryotes and some bacteria. They are made of two types of protofilaments  $\alpha$ - and  $\beta$ -tubulin polymers causing polarization negative anions at  $\alpha$ -subunits and positive cations at  $\beta$ -subunits.

## Antibodies

Product Name	Cat. No.	Size
Anti-DCTN1 Antibody (3D5-C6-D5)	A1341	100 µg
Anti-PAR6A Antibody	A1613	100 µl
Anti-Phospho-ERK1/2 (Thr202/Tyr204) Antibody	A1589	100 µg
Anti-PPP4C Antibody (2F11-D10-G4)	A1343	100 µg
Anti-RanBP9 Antibody (3C3-E11-C12)	A1318	100 µg

## Antibodies

Product Name	Cat. No.	Size
Beta3-Tubulin (TUJ-1) Antibody	3525	30 µg, 100 µg
MCAK Antibody	3760	100 µl
TAOK1 Antibody	3776	100 µl
TAOK1 Antibody	3776R	30 µg, 100 µg
TPX2 Antibody	3755	100 µl
Tubulin Antibody	3708	30 µg, 100 µg

## ELISA Kits

Product Name	Cat. No.	Size
BRCA1 (Human) ELISA Kit	K4239	96 Assays
Tau / MAPT (Human) ELISA Kit	K4263	96 Assays

## Proteins

Product Name	Cat. No.	Size
GAPDH, Active, human recombinant	P1100	10 µg, 50 µg
GAPDH, human recombinant	7602	20 µg, 1 mg
GDA, human recombinant	7807	100 µg
GDA, Mouse Recombinant	P1219	5 µg, 20 µg
Human Stathmin 1 / STMN1 Protein	7881	20 µg, 100 µg
P38delta, Active	7754	5 µg
Tau-441, Human Recombinant	P1192	50 µg, 250 µg

## Inhibitors

Product Name	Cat. No.	Size	CAS No.
ABT751	2836	5 mg, 25 mg	141430-65-1
Colchicine	1519	1 g	64-86-8
Combretastatin A4	2239	10 mg, 50 mg	117048-59-6
CW069	9507	10 mg, 50 mg	1594094-64-0
D-64131	B1066	10 mg, 50 mg	74588-78-6
Docetaxel	2232	10 mg, 50 mg	114977-28-5
ELR-510444	9433	5 mg, 25 mg	1233948-35-0
Epothilone B	2012	1 mg, 5 mg	152044-54-7
Epothilone D	9559	1 mg, 5 mg	189453-10-9
Ilimaquinone	2038	100 µg	71678-03-0
EZSolution™ Nocodazole	B1874	5 mg	31430-18-9
Maytansinol	B2015	5 mg, 25 mg	57103-68-1
Nocodazole	2185	10 mg, 50 mg	31430-18-9
Plinabulin	B2049	5 mg, 25 mg	714272-27-2
Podophyllotoxin	2767	50 mg, 250 mg	Multiple
Remodelin	9411	5 mg, 25 mg	949912-58-7
Thiocolchicine	2213	5 mg, 25 mg	2730-71-4
Vinblastine Sulfate	1959	5 mg, 25 mg	143-67-9
Vinflunine tartrate	B2208	5 mg, 25 mg	1201898-17-0
Vinorelbine Tartrate	1957	5 mg, 25 mg	125317-39-7

## Secretases

$\beta$ -Secretases and  $\gamma$ -Secretases via proteolytic processing produce Amyloid beta peptide (A $\beta$ ) from amyloid precursor protein (APP). Accumulation of A $\beta$  in the brain is characteristic of an early toxic event in the pathogenesis of Alzheimer's disease.

## $\beta$ -secretase

### Assay Kits

Product Name	Cat. No.	Size
Beta-Secretase Activity Assay Kit (F)	K360	100 Assays
Human $\beta$ -Secretase (BACE1) Inhibitor Screening Kit (F)	K720	100 Assays
$\beta$ -Secretase (BACE1) Activity Assay Kit (F)	K388	100 Assays

## $\beta$ -secretase Inhibitors

Product Name	Cat. No.	Size	CAS No.
Beta-Secretase Inhibitor I	7501	1 mg	N/A
Beta-Secretase Inhibitor II	7502	1 mg	N/A
Loganin	B1161	10 mg, 50 mg	18524-94-2
LY2886721	2299	5 mg, 25 mg	1262036-50-9

## Proteins

Product Name	Cat. No.	Size
Human CellExp™ BACE1, human recombinant (Native)	7398	10 µg, 50 µg

## $\gamma$ -secretase

### Inhibitors

Product Name	Cat. No.	Size	CAS No.
Aftin-4	2574	1 mg, 5 mg	866893-90-5
Aftin-5	2575	1 mg, 5 mg	N/A
BMS-299897	9606	5 mg, 25 mg	290315-45-6
BMS-708163	B1622	5 mg, 25 mg	1146699-66-2
Compound 34	1898	200 µg, 1 mg	N/A
Compound E	1949	250 µg, 1 mg	209986-17-4
Compound W	2208	50 mg, 250 mg	173550-33-9
DAPT	1855	5 mg	208255-80-5
DBZ	2649	1 mg, 5 mg	209984-56-5
EZSolution™ BMS-299897, Sterile-filtered	B2243	5 mg	290315-45-6
EZSolution™ DAPT	2663	5 mg	208255-80-5
L-685, 458	1713	250 µg	292632-98-5
LY-411575	2648	1 mg, 5 mg	209984-57-6
MG-132	1703	5 mg, 25 mg	133407-82-6
RO4929097	2011	1 mg, 5 mg	847925-91-1
Semagacestat	2430	1 mg, 5 mg	425386-60-3

## Tau Products

Tau products are considered as major microtubule associated proteins. They are known to stabilize microtubules in neurons of the central nervous system and are major hallmarks of Alzheimer's disease.

## Antibodies

Product Name	Cat. No.	Size
GSK-3a Antibody	3493	100 µg
GSK-3b Antibody	3494	30 µg, 100 µg
GSK-3a Antibody	6676	30 µg, 100 µg
Phospho-GSK-3b Antibody	3495	100 µg
Phospho-GSK3 (Tyr216) Antibody	A1037	100 µg
Phospho-Tau Antibody	3550R	100 µl
Tau Antibody	3549R	30 µg, 100 µg
Tau-13 Antibody (Clone B11E8)	3453	100 µl

## Blocking Peptides

Product Name	Cat. No.	Size
Tau Blocking Peptide	3549RBP	50 µg

## ELISA Kits

Product Name	Cat. No.	Size
Amyloid Beta 42 (Human) ELISA Kit	E4288	96 Assays
Glycogen Synthase Kinase (GSK) (Mouse) ELISA Kit	E4609	96 Assays
Glycogen Synthase Kinase (GSK) (Rat) ELISA Kit	E4610	96 Assays
Tau / MAPT (Human) ELISA Kit	K4263	96 Assays

## Proteins

Product Name	Cat. No.	Size
Tau-441, Human Recombinant	P1192	50 µg, 250 µg

## Biochemicals

Product Name	Cat. No.	Size	CAS No.
CHIR-98014	2595	1 mg, 5 mg	556813-39-9
Combretastatin A4	2239	10 mg, 50 mg	117048-59-6
D-64131	B1066	10 mg, 50 mg	74588-78-6
EZSolution™ Nocodazole	B1874	5 mg	31430-18-9
Nocodazole	2185	10 mg, 50 mg	31430-18-9
Vincristine sulfate	B2048	10 mg, 50 mg	2068-78-2
10Z-Hymenialdisine	2212	250 µg, 1 mg	82005-12-7

## Tryptophan 2,3 dioxygenase

Tryptophan 2,3 dioxygenase encodes a heme enzyme catalyzing the first and rate-limiting step of the kynurenine pathway. Polymorphisms in this gene may be related to Autism disorder.

## ELISA Kits

Product Name	Cat. No.	Size
Kynurenine (KYN) ELISA Kit	E4629	96 Assays

## Inhibitors

Product Name	Cat. No.	Size	CAS No.
BMS-986205	B1839	5 mg, 25 mg	1923833-60-6
680C91	2292	5 mg, 25 mg	163239-22-3
IDO Pathway inhibitor	2746	50 mg, 250 mg	110117-83-4
IDO1 Inhibitor I	2745	5 mg, 25 mg	914471-09-3
Menadione	2747	500 mg, 1 g	58-27-5

For complete list of products please visit [www.BioVision.com](http://www.BioVision.com).