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Caring for Alzheimer's disease



Introduction of Alzheimer's Diseases Research

Alzheimer's disease is a progressive disorder that causes brain cells to waste away (degenerate) and die, which is the most common cause of dementia --a continuous decline in thinking, behavioral and social skills that disrupts a person's ability to function independently.

Neuron degeneration occurring in Alzheimer's disease is the result of the simultaneous progression of two types of lesions: on the one hand the abnormal accumulation outside nerve cells of a protein called β -amyloid peptide (or A-beta peptide or A β peptide) leading to the formation of 'amyloid plaques' also known as 'senile plaques', and on the other hand, abnormal accumulation of TAU protein in neurons leading to their degeneration.

The brain also contains important chemicals that help to send signals between cells. People with Alzheimer have less of some of these 'chemical messengers' in their brain, so the signals are not passed on as well.

Elabscience® offers ELISA and biochemical kits to researchers for understanding and treatment of this ever growing disease.



Publications in Alzheimer's Diseases Research

CIP2A Causes Tau/APP Phosphorylation, Synaptopathy, and Memory Deficits in Alzheimer's Disease.

Cell Reports, 2018, 24(3): 713-723.

Sample Type: Cell lysate

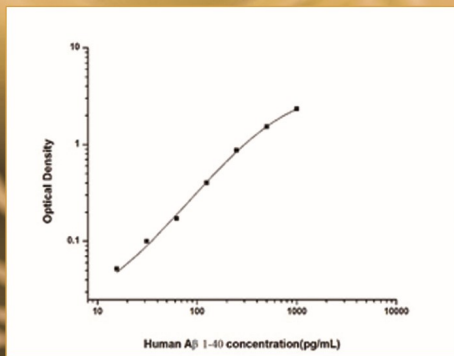
Reactivity: Human

DOI: 10.1016/j.celrep.2018.06.009

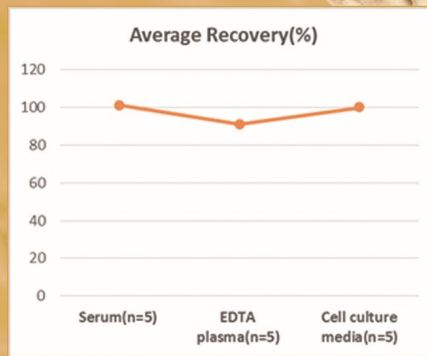
PMID: 30021167

Product: Human A β 1-40(Amyloid Beta 1-40)

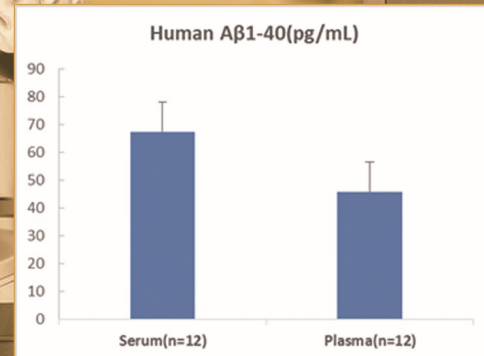
ELISA Kit (E-EL-H0542)



Typical Standard Curve of Human Aβ1-40 ELISA Kit.



The recovery of Human Aβ1-40 spiked at three different levels in samples throughout the range of the assay was evaluated in various matrices.



Human Aβ1-40 was validated in biological fluids from healthy individuals.

Elabscience ELISA Kits for Alzheimer's Diseases Research

Target	Human	Mouse	Rat
ApoE (Apolipoprotein E) ELISA	E-EL-H0470	E-EL-M0135	E-EL-R1230
APP (Amyloid Precursor Protein)	E-EL-H1216	E-EL-R2490	--
Aβ1-40 (Amyloid Beta 1-40)	E-EL-H0542	E-EL-M0067	E-EL-R1401
Aβ1-42 (Amyloid Beta 1-42)	E-EL-H0543	E-EL-M0068	E-EL-R1402
MAPτ (Microtubule Associated Protein Tau/Tau Protein)	E-EL-H0948	E-EL-M1121	E-EL-R0943
pMAPτ/pTAU (Phosphorylated Microtubule-associated Protein Tau)	E-EL-H5314	E-EL-M1289	E-EL-R1090
TDP43 (TAR DNA Binding Protein 43)	E-EL-H0942	E-EL-M1115	--

Elabscience Biochemical Kits for Alzheimer's Diseases Research

Product Name	Cat. No.	Specification
Acetylcholinesterase (A-CHE) Colorimetric Assay Kit	E-BC-K053-S	50 Assays
Monoamine Oxidase (MAO) Colorimetric Assay Kit	E-BC-K067-S	50 Assays
Acetylcholine (ACH) Colorimetric Assay Kit (Tissue samples)	E-BC-K173-M	48T
Choline Acetyltransferase (ChAT) Colorimetric Assay Kit (Serum samples)	E-BC-K217-S	40 Assays
Acetylcholine (ACH) Colorimetric Assay Kit (Serum samples)	E-BC-K232-M	48T
Acetylcholine (ACH) Colorimetric Assay Kit (Culture supernatant samples)	E-BC-K242-M	48T

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