



## User's Manual

# APP770 ELISA Kit



DEIABL319



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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### Creative Diagnostics

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## PRODUCT INFORMATION

### Intended Use

This CD's assay kit is capable for the quantitative determination human APP770 in EDTA-plasma, cerebrospinal fluid and cell culture supernatant.

### General Description

Alzheimer's disease (AD) is a typical senile dementia and it is believed that accumulation of Amyloid $\beta$  (A $\beta$ ) in the brain parenchyma is a major cause of the disease. Meanwhile, accumulation of A $\beta$  has also been observed on cerebrovascular walls of nearly 90% of all individuals suffering from AD. A $\beta$  is known to be produced from Amyloid $\beta$  Precursor Protein (APP) by cleavage with two types of proteases ( $\beta$ - and  $\gamma$ -secretase) and A $\beta$  molecules, which accumulate in brain parenchyma are mainly produced from APP expressed in neurons, APP695. In contrast to this, another different APP, APP770, was found to be expressed in cerebrovascular endothelial cells, and it has recently been reported that the A $\beta$  produced from APP770 can accumulate on cerebrovascular walls.

This ELISA kit can measure human APP770 in EDTA-plasma, cerebrospinal fluid and cell culture supernatant.

### Storage

2-8°C

### Precision

#### Intra - Assay

Mean Value (ng/mL)	SD (ng/mL)	CV (%)	n
3.72	0.29	7.8	26
0.99	0.04	4.0	26
0.23	0.02	8.7	26

#### Inter - Assay

Mean Value (ng/mL)	SD (ng/mL)	CV (%)	n
3.83	0.19	5.0	6
0.96	0.08	8.3	6
0.22	0.02	9.1	6

### Detection Range

0.1 - 6.2 ng/mL

### Sensitivity



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0.03 ng/mL