

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### APP/ $\beta$ -Amyloid (H749) Peptide

Cat No.: BS5553P

#### Background

Proteolytic cleavage of the Amyloid protein precursor (APP) gives rise to the  $\beta$ -Amyloid and Amyloid A4 proteins, which are present in human platelets. Amyloid deposition is associated with type II diabetes, Down syndrome and a variety of neurological disorders, including Alzheimer's disease. The Amyloid precursor protein (APP) undergoes alternative splicing, resulting in several isoforms. Proteolytic cleavage of APP leads to the formation of the Amyloid  $\beta$ /A4 Amyloid protein. This protein is involved in the formation of neurofibrillary tangles and plaques that characterize the senile plaques of Alzheimer's patients. APLP1 (Amyloid precursor-like protein 1) and APLP2 are structurally similar to APP. Human APLP2 is a membrane-bound sperm protein that contains a region highly homologous to the transmembrane-cytoplasmic domains of APP found in brain plaques of Alzheimer's disease patients.

#### Swiss-Prot

P05067

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5553 APP/ $\beta$ -Amyloid (H749) pAb.

#### Purification & Purity

Synthetic peptide APP/ $\beta$ -Amyloid (H749). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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