

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### ApoE Peptide

Cat No.: BS5614P

#### Background

Apolipoprotein-E (ApoE) is a protein component of plasma lipoproteins that mediates the binding, internalization and catabolism of lipoprotein particles. It can serve as a ligand for several lipoprotein receptors, including the LDL (apoB/E) receptor and the hepatic apoE (chylomicron remnant) receptor. apoE is produced in most organs and occurs in all plasma lipoprotein fractions, constituting 10-20% of VLDL (very low density lipoprotein) and 1-2% of HDL (high density lipoprotein). Three major isoforms of apoE have been described in human (E2, E3 and E4) which differ by one to two amino acids. Estrogen receptor has been shown to upregulate apoE gene expression via the ER-mediated pathway, indicating a potential role for apoE in atherosclerosis.

#### Swiss-Prot

P02649

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5614 ApoE pAb.

#### Purification & Purity

Synthetic peptide ApoE. (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.