

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CD40 Ligand Peptide

Cat No.: BS60466P

#### Background

CD40 and CD154 (also designated CD40L or TRAP) comprise a receptor ligand pair central to the transmission of this signal. CD40 is expressed on the surface of B cells and CD154 is expressed on activated T cells. In the presence of such stimulus, IL-4 and IL-13 are capable of triggering immunoglobulin class switching and secretion of IgE. CD154 is a 261 amino acid protein that is expressed as a soluble cytokine as well as a homotrimeric type II transmembrane protein. Its expression is tightly regulated, and abnormal levels of CD154 are associated with the pathogenesis of atheromatous plaque destabilization and thrombotic events. Mutations in the gene encoding for CD154 are implicated in hyper-IgM immunodeficiency syndrome type 1.

#### Swiss-Prot

P29965

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS60466 CD40 Ligand pAb.

#### Purification & Purity

Synthetic peptide CD40 Ligand. (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.