

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### HSP70L1 (E445) Peptide

Cat No.: BS3030P

#### Background

The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multi-protein complexes, the transportation of nascent poly-peptide chains across cellular membranes and the regulation of protein folding. HSPA14 (heat shock 70kDa protein 14), also known as HSP70-4 or HSP70L1, is a 509 amino acid novel HSP protein derived from human dendritic cells. Belonging to the heat shock protein 70 family, HSPA14 is thought to promote dendritic cell maturation. It is also suggested that HSPA14 stimulates secretion of the proinflammatory cytokines interleukin 12p70 (IL-12p70), IL-1 $\beta$ , TNF $\alpha$ , and the chemokines IP-10, MIP-1 $\alpha$ , MIP-1 $\beta$  and normal T cell expressed and secreted (RANTES).

#### Swiss-Prot

Q0VDF9

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3030 HSP70L1 (E445) pAb.

#### Purification & Purity

Synthetic peptide HSP70L1 (E445). (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.