

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### HSP27 (S9) Peptide

Cat No.: BS1177P

#### Background

Hsp27, also referred to as the Estrogen-Regulated 24K protein and HSP28, is one of several small heat shock proteins (HSP) produced by all organisms studied. Hsp27 synthesis is induced by elevated temperature, as well as estrogen in hormone responsive cells. This protein is involved in stress resistance and actin organization. Interestingly, human HSP27 also shares greater than 50% homology with low molecular weight Drosophila HSP's and mammalian  $\alpha$ -crystalline lens protein. Because of the estrogen-responsive nature of Hsp27, this protein has been studied extensively in human estrogen-responsive tissues such as cervix, endometrium and breast tissue. This work has led to the suggestion that Hsp27 may be a useful marker in classifying various hormone sensitive tumors.

#### Swiss-Prot

P04792

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1177 HSP27 (S9) pAb.

#### Purification & Purity

Synthetic peptide HSP27 (S9). (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.