

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-Crystallin- $\alpha$ B (S19) Peptide

Cat No.: BS4672P

#### Background

$\alpha$ -crystallins consist of three gene products,  $\alpha$ A,  $\alpha$ B and  $\alpha$ C-crystallin, which are members of the small heat shock protein family (HSP 20). They are induced by heat shock, and act as molecular chaperones by holding denatured proteins in large soluble aggregates. However, unlike other molecular chaperones,  $\alpha$ -crystallins do not renature these proteins. Expression of  $\alpha$ A-crystallin is restricted to the lens. Defects in this gene cause autosomal dominant congenital cataracts (ADCC). The human  $\alpha$ B-crystallin gene product is expressed in many tissues, including lens, heart and skeletal muscle. Elevated expression of  $\alpha$ B-crystallin is associated with many neurological diseases, and a missense mutation in this gene has co-segregated in a family with a Desmin-related myopathy.

#### Swiss-Prot

P02511

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4672 p-Crystallin- $\alpha$ B (S19) pAb.

#### Purification & Purity

Synthetic peptide p-Crystallin- $\alpha$ B (S19). (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.