

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Sarcoglycan- $\alpha$ Peptide

Cat No.: BS5920P

#### Background

The sarcoglycan transmembrane proteins are members of the dystrophin complex. Sarcoglycans cluster together to form a complex, which is localized in the cell membrane of skeletal, cardiac, and smooth muscle fibers. Four sarcoglycan subunit proteins, designated  $\alpha$ -,  $\beta$ -,  $\gamma$ - and  $\delta$ -sarcoglycan, form a complex on the skeletal muscle cell surface membrane. A genetic defect in any one of these proteins causes the loss or marked decrease of the whole sarcoglycan complex, which is observed in the autosomal recessive muscular dystrophy, sarcoglycanopathy. In smooth muscle,  $\beta$ - and  $\delta$ -sarcoglycans are associated with  $\epsilon$ -sarcoglycan, a glycoprotein homologous to  $\alpha$ -sarcoglycan. Additionally, a complete deficiency in  $\delta$ -sarcoglycan is the cause of the Syrian hamster BIO.14 cardiomyopathy.

#### Swiss-Prot

Q16586

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5920 Sarcoglycan- $\alpha$  pAb.

#### Purification & Purity

Synthetic peptide Sarcoglycan- $\alpha$ . (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.