

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Tubulin $\gamma$ (F414) Peptide

Cat No.: BS1483P

#### Background

TUB4, the gene for *Saccharomyces cerevisiae*  $\gamma$ -Tubulin, encodes a 473 amino acid structural protein that localizes to the spindle pole body.  $\gamma$  Tubulin, an essential protein for cell growth, organizes microtubule arrays in the nucleus and cytoplasm.  $\gamma$  Tubulin-depleted cells fail to form functional spindles and arrest during nuclear division.  $\gamma$  Tubulin associates with spindle body components Spc97 and Spc98 to form the  $\gamma$  Tubulin complex. The budding yeast  $\gamma$  Tubulin complex contains one molecule each of Spc97 and Spc98 and two molecules of  $\gamma$  Tubulin. In the SPB, Spc110 binds Spc97 and Spc98 of the  $\gamma$  Tubulin complex. 2D gel analysis indicates five isoforms of  $\gamma$  Tubulin. The phosphorylation of  $\gamma$  Tubulin at Tyr 445 plays a regulatory role in microtubule formation. The incidence rate for this phosphorylation event peaks during G1.

#### Swiss-Prot

P23258

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1483 Tubulin  $\gamma$  (F414) pAb.

#### Purification & Purity

Synthetic peptide Tubulin  $\gamma$  (F414). (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.