

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### TYK2 (V1048) Peptide

Cat No.: BS3713P

#### Background

Tyk 2 belongs to the family of non-receptor janus tyrosine kinases, which regulate a spectrum of cellular functions occurring downstream of activated cytokine receptors in the lympho-hematopoietic system. Immunological stimuli, such as interferons and cytokines, recruit STAT transcription factors to the cytokine receptor where Tyk 2 is associated. Tyk 2 then phosphorylates proximal STAT factors, which subsequently dimerize, translocate to the nucleus, and bind to cis elements upstream of target gene promoters to regulating transcription. The canonical JAK-STAT pathway is integral to maintaining a normal immune system by stimulating proliferation, differentiation, survival, and host resistance to pathogens. Cytokine induced pro-inflammatory responses are attractive targets for anti-inflammatory therapies, specifically at the level of Jak-STAT signaling.

#### Swiss-Prot

P29597

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS3713 TYK2 (V1048) pAb.

#### Purification & Purity

Synthetic peptide TYK2 (V1048). (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.