

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### JAK1 (I1016) Peptide

Cat No.: BS1193P

#### Background

JAK1 (Janus kinase 1) belongs to the family of non-receptor Janus tyrosine kinases, which regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Immunological stimuli, such as interferons and cytokines, induce recruitment of Stat transcription factors to cytokine receptor-associated JAK1. JAK1 then phosphorylates proximal Stat factors, which subsequently dimerize, translocate to the nucleus and bind to cis elements upstream of target gene promoters to regulate transcription. Upon ligand binding, JAK1 undergoes tyrosine phosphorylation and catalytic activation in an interdependent manner. Phosphorylation of tyrosine residues at positions 1022 and 1023 is believed to function in the activation of catalytic events.

#### Swiss-Prot

P23458

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1193 JAK1 (I1016) pAb.

#### Purification & Purity

Synthetic peptide JAK1 (I1016). (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.