

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### GATA-1 (K316) Peptide

Cat No.: BS5575P

#### Background

GATA1 (Globin transcription factor 1) is a Cys2/Cys2 zinc finger DNA binding protein that is expressed primarily in erythroid, megakaryocytic, mast cells and eosinophilic cells. It belongs to the GATA family of transcription factors. GATA1 is a transcriptional activator which probably serves as a general switch factor for erythroid development. It binds to DNA sites with the consensus sequence [AT]GATA[AG] within regulatory regions of globin genes and of other genes expressed in erythroid cells. The protein also plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. Acquired somatic mutations in GATA1 occur in virtually all children with Down's Syndrome, congenital transient myeloproliferative syndrome (TMD) and acute megakaryocytic leukemia.

#### Swiss-Prot

P15976

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5575 GATA-1 (K316) pAb.

#### Purification & Purity

Synthetic peptide GATA-1 (K316). (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.