

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Haptoglobin (V328) Peptide

Cat No.: BS3681P

#### Background

Haptoglobin (Hp) is a blood plasma protein that functions to bind free Hemoglobin that has been released from erythrocytes, thereby inhibiting its oxidative activity. During this process, Haptoglobin sequesters the iron within Hemoglobin, preventing iron-utilizing bacteria from benefitting from hemolysis. This function suggests that Haptoglobin concentrations may increase in response to inflammation. The resulting Haptoglobin-Hemoglobin complex is then removed by the reticulo-endothelial system. Due to cleavage of a common precursor protein during protein synthesis, Haptoglobin consists of two  $\alpha$  and two  $\beta$  chains, connected by disulfide bridges.

#### Swiss-Prot

P00738

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3681 Haptoglobin (V328) pAb.

#### Purification & Purity

Synthetic peptide Haptoglobin (V328). (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.