

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### AKR1B1 (K275) Peptide

Cat No.: BS3067P

#### Background

Aldose reductase (also designated AKR1B1, ALDR1, ALR2 or AR) is member of the monomeric NADPH-dependent aldo-ketoreductase family. Aldose reductase, which has a molecular mass of 36 kDa, catalyzes the reduction of various aldehydes and has been implicated in the development of diabetic complications by catalyzing the reduction of the aldehyde form of glucose, to the corresponding sugar alcohol, sorbitol. This pathway plays a minor role in glucose metabolism in most tissues, however in diabetic hyperglycemia, cells undergoing insulin-independent uptake of glucose accumulate significant quantities of sorbitol.

#### Swiss-Prot

P15121

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3067 AKR1B1 (K275) pAb.

#### Purification & Purity

Synthetic peptide AKR1B1 (K275). (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.