

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### ADORA2A Peptide

Cat No.: BS5598P

#### Background

Adenosine is involved in a variety of processes, including the synthesis of urea, the anti-inflammatory response and the inhibition of protein synthesis. The adenosine receptors, including Adenosine A1-R, Adenosine A2A-R, Adenosine A2B-R and Adenosine A3-R, are integral membrane proteins that are members of the G protein-coupled receptor family. The A1-R protein mediates ureagenesis in a partially calcium-dependent manner. Adenosine is known to mediate coronary vasodilation via the A2A-R receptor. Collagen synthesis and total protein synthesis are inhibited in certain cells by adenosine, acting via the A2B receptors. Activation of the A3-R receptor inhibits the induction of the cytokine TNF $\alpha$  and blocks the endotoxin CD14 receptor signal transduction pathway.

#### Swiss-Prot

P29274

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5598 ADORA2A pAb.

#### Purification & Purity

Synthetic peptide ADORA2A. (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.

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