

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



NOS2 (V1131) Peptide

Cat No.: BS1186P

Background

Nitric oxide (NO) has a broad range of biological activities and has been implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOSs), the enzymes responsible for synthesis of NO, contain an N-terminal oxygenase domain and a C-terminal reductase domain. NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O₂) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca²⁺/CaM-dependent forms of NOS, including ncNOS (also designated NOS1) whose activity was first identified in neurons and maps at 12q24.2, and ecNOS (also designated NOS3), first identified in endothelial cells and mapping at 7q35-36. The inducible form of NOS, iNOS (also designated NOS2), is Ca²⁺-independent, expressed in a broad range of cell types and maps to 17cen-q12

Swiss-Prot

P35228

Applications

Blocking

Specificity

This peptide can be used with studies using BS1186 NOS2 (V1131) pAb.

Purification & Purity

Synthetic peptide NOS2 (V1131). (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.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA. Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046,
P, R.China. Email: info@biogot.com
Tel: +86-025-68037686 Fax: +86-025-68035151