

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



p-p47-phox (S304) Peptide

Cat No.: BS4600P

Background

The hereditary disease chronic granulomatous disease (CGD) has been linked to mutations in p47-phox and p67-phox. The cytosolic proteins p47-phox and p67-phox, also designated neutrophil cytosol factor (NCF)1 and NCF2, respectively, are required for activation of the superoxide-producing NADPH oxidase in neutrophils and other phagocytic cells. During activation of the NADPH oxidase, p47-phox and p67-phox migrate to the plasma membrane where they associate with cytochrome b558 and the small G protein Rac to form the functional enzyme complex. Both p47-phox and p67-phox contain two Src homology 3 (SH3) domains. The C-terminal SH3 domain of p67-phox has been shown to interact with the proline rich domain of p47-phox, suggesting that p47-phox may facilitate the transport of p67-phox to the membrane.

Swiss-Prot

P14598

Applications

Blocking

Specificity

This peptide can be used with studies using BS4600 p-p47-phox (S304) pAb.

Purification & Purity

Synthetic peptide p-p47-phox (S304). (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@bioworld.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