



OXFORD BIOMEDICAL RESEARCH

P.O. Box 522, Oxford MI 48371 • USA  
USA: 800-692-4633 • Fax: 248-852-4466  
www.oxfordbiomed.com

## Product Specification

### iNOS Blocking Peptide

Product # NS 25

Typical Lot

<b>Product:</b>	Inducible Nitric Oxide Synthase (1131-1144) Blocking Peptide, Mouse.
<b>Peptide Sequence:</b>	N-acetyl-Cys-Lys-Lys-Gly-Ser-Ala-Leu-Glu-Glu-Pro- Lys-Ala-Thr-Arg-Leu-NH <sub>2</sub>
<b>Application:</b>	Useful for blocking specific reactivity of anti-iNOS with iNOS
<b>Molecular Weight:</b>	1672.0
<b>Physical State:</b>	Lyophilized solid, soluble in distilled water.
<b>Formulation:</b>	Supplied as a trifluoroacetate salt. 100 µg net peptide/vial.
<b>Purity:</b>	≥ 97 % by HPLC analysis
<b>Storage Conditions:</b>	-20°C., protected from moisture desiccated). After reconstitution, store frozen (≥-20°C).
<b>Suggested Procedure:</b>	<ol style="list-style-type: none"><li>1. Resuspend the blocking peptide in 100 µL distilledwater. Vortex and spin down.</li><li>2. Add the following in a plastic microfuge tube: 2 µL anti—iNOS antibody (Product # NS 01) 20 µL Tris or phosphate buffered saline (TBS or PBS) 8 µL blocking peptide</li><li>3. Incubate at 4°C for 1 hour.</li></ol>

4. Spin at full speed in microfuge, 15 minutes, to pellet aggregates. Remove and retain supernatant. Leave some liquid behind, if necessary, to avoid resuspending the pellet.
5. Dilute the supernatant as appropriate and use immediately for control staining.

**Assay Conditions:** The above procedure was designed and tested for Western Blotting and is intended only as a guide. The optimal blocking conditions may differ for other applications and must be determined by each user. Increasing the peptide/antibody ratio and the length of the binding incubation are two suggestions that may improve blocking.