

## Anti-iNOS/Nos2 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A00368-4-Fluoro594

### About Nos2

Nitric oxide synthase, inducible is an enzyme that in humans is encoded by the NOS2 gene. Nitric oxide (NO) is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter; it is implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. Three different NOS isoforms have been identified which fall into two distinct types, constitutive and inducible. The inducible NOS (iNOS) isoform is expressed in a variety of cell types and tissues in response to inflammatory agents and cytokines. The human iNOS (NOS2) gene is approximately 37 kb in length and consists of 26 exons and 25 introns. NOS2-derived NO is a prerequisite for cytokine signaling and function in innate immunity.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-iNOS/Nos2 Antibody Picoband® Fluoro594 Conjugated   |
| Reactive Species     | Mouse  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.                                |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host                 | Rabbit   |
| Uniprot ID           | P29477   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived mouse iNOS/Nos2 recombinant protein (Position: I40-L1099). |
| Cross Reactivity    | No cross-reactivity with other proteins.                                  |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.      |

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Anti-iNOS/Nos2 Antibody - Fluoro594

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