

Product Datasheet

Anti-nNOS/NOS1 Antibody FL550 Conjugate



Overview

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|---------------------------|---|
| Catalog # | 75-480-FL550 |
| Conjugate | FL550 Ex: 550 nm, Em: 575 nm |
| Isotype | IgG2b |
| Clone Number | L121/25 |
| Size | 200 µL |
| Concentration | 0.5 mg/mL |
| Host Species | Mouse Monoclonal |
| Format | Purified by Protein A chromatography |
| Buffer | PBS with 0.09% azide |
| Applications | ICC, IHC |
| Species Reactivity | Human, Mouse, and Rat |
| Immunogen | Fusion protein amino acids 350-720 of human NOS1 (accession number P29475) produced recombinantly in E. Coli |
| Molecular Weight | 155-165 kDa for full-length protein, smaller fragments possible due to proteolysis and/or variable sample preparation |
| Cite this Antibody | Antibodies Inc Cat# 75-480-FL550, RRID: AB_2940601 |

Details

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| Target Description | Nitric Oxide Synthase 1 is encoded by the gene NOS1. NOS1 is a member of the NOS family. NOS1 synthesizes nitric oxide from L-arginine, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. NOS1 is expressed ubiquitously, with high levels of expression in skeletal muscle. Diseases associated with NOS1 include Achalasia, Familial Esophageal and Pyloric Stenosis, Infantile Hypertrophic, 1. |
| Specificity | No cross-reactivity reported |
| Purification Method | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody. |
| Quality Control Tests | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band. |

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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