Elab Fluor®647 Anti-Mouse Nos2(iNos) Antibody[W16030C]

Catalog Number: AN00993M

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

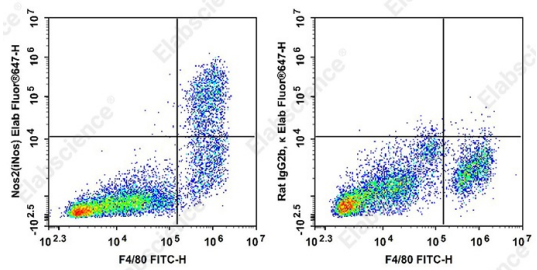
Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2b, κ
Clone No.	W16030C
Isotype Control	Elab Fluor® 647 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842M]
Conjugation	Elab Fluor®647
Conjugation Information	Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



LPS-stimulated (16h) murine abdominal macrophages elicited by Thioglycolate are stained with FITC Anti-Mouse/Human CD11b Antibody[M1/70] and intracellular stained with Elab Fluor® 647 Anti-Mouse Nos2(iNos) Antibody[W16030C] (left) or Elab Fluor® 647 Rat IgG2b Isotype Control (right).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	Nitric oxide synthase 2;nitric oxide synthase 2A;NOS2A;HEP-NOS;inducible nitric oxide synthase (iNOS);Nitric oxide synthase;inducible;Inducible NOS

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com

Uniprot ID	P29477
Gene ID	4843
Background	Nitric Oxide Synthase 2 (NOS2), also known as inducible NOS (iNOS), contains an N-terminal oxygenase domain and a C-terminal reductase domain, and functions to catalyze the formation of nitric oxide (NO) from L-arginine. NO is a reactive free radical which acts as a biologic messenger with diverse functions throughout the body, such as neurotransmission, antimicrobial, and antitumor activity. NOS2 is involved in inflammatory responses and enhances the synthesis of PGE2 and proinflammatory cytokines such as IL-6 and IL-8. The NOS2 gene is highly expressed in liver and is inducible by a combination of bacterial endotoxins and certain cytokines, including IL-1, IFNγ and TNFα. NOS2 also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such as COX2.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com