

Anti-Mouse iNOS-161Dy

Catalog: 3161011B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Mouse,

Clone: CXNFT

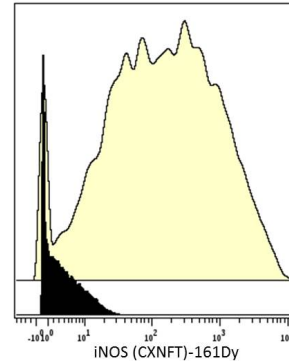
Isotype: IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse Raw 264.7 cells were incubated for 20 hours in media alone (bottom) or with LPS (top) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 161Dy-anti- iNOS (CXNFT). Total viable cells are displayed in the analysis.

Description

Nitric oxide synthase (NOS) catalyze the formation of nitric oxide from L-arginine through an NADPH- and oxygen-dependent mechanism. Different from other constitutively expressed NOS family members eNOS and nNOS, iNOS is transcriptionally induced in response to bacterial endotoxins such as LPS and proinflammatory cytokines such IFNγ and TNFα in macrophages and various other cell types.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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