Datasheet for ABIN5526682

NOS2 ELISA Kit

2 Images

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Overview

Quantity:	96 tests
Target:	NOS2
Binding Specificity:	phosphorylated
Reactivity:	Human, Mouse, Rat
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human, Mouse and Rat Phosphotyrosine iNOS ELISA Kit. This assay semi-quantitatively measures tyrosine-phosphorylated iNOS in cell lysate samples.
Sample Type:	Cell Culture Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes human iNOS phosphotyrosine.
Characteristics:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Biotinylated Anti-Phosphotyrosine Antibody • Stop Solution • Assay Diluent(s) • Positive Control Sample • Lysis Buffer • Streptavidin-Conjugated HRP

Product Details

	• TMB One-Step Substrate
Components:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Biotinylated Anti-Phosphotyrosine Antibody • Stop Solution • Assay Diluent(s) • Positive Control Sample • Lysis Buffer • Streptavidin-Conjugated HRP • TMB One-Step Substrate
Material not included:	• Distilled or deionized water • 100 mL and 1 liter graduated cylinders • Tubes to prepare sample dilutions • Protease and Phosphatase inhibitors • Precision pipettes to deliver 2 µL to 1 mL volumes • Adjustable 1-25 mL pipettes for reagent preparation • Benchtop rocker or shaker • Microplate reader capable of measuring absorbance at 450 nm

Target Details

Target:	NOS2
Alternative Name:	iNOS (NOS2 Products)
Gene ID:	4843
UniProt:	P35228, P29477, Q06518
Pathways:	Retinoic Acid Receptor Signaling Pathway, Cellular Response to Molecule of Bacterial Origin, Inositol Metabolic Process, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
Protocol:	1. Prepare all reagents and samples as instructed in the manual. 2. Add 100 µL of sample or positive control to each well. 3. Incubate 2.5 h at RT or O/N at 4 °C.

Application Details

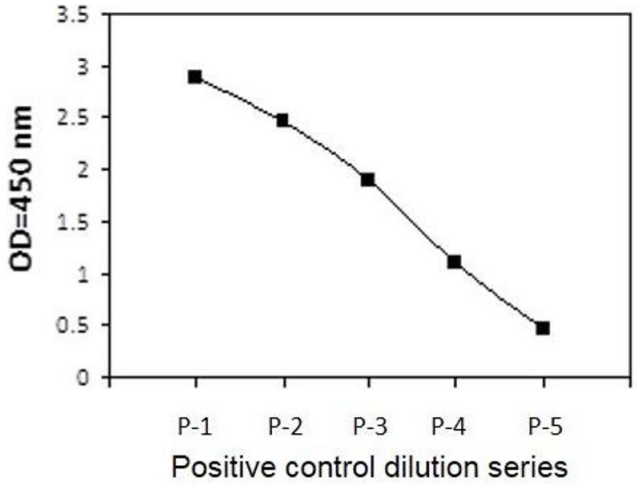
4. Add 100 µL of prepared primary antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.
7. Incubate 1 h at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions:	For Research Use only

Handling

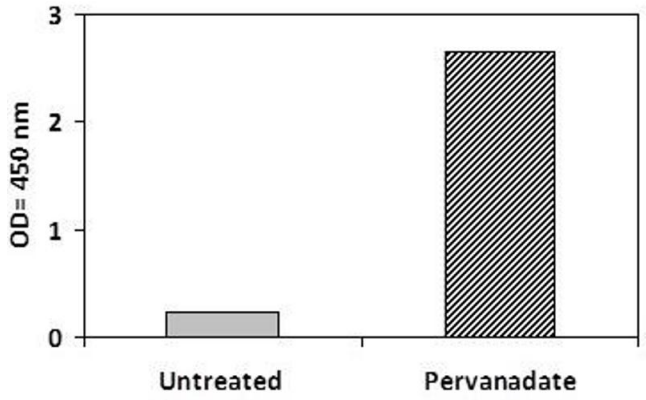
Storage:	-20 °C
Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.
Expiry Date:	6 months

Images



ELISA

Image 1. THP1 cells were treated with Pervanadate. Solubilize cells at 4 x 10^7 cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.



ELISA

Image 2. THP1 cells were untreated or treated with Pervanadate for 10 min at 37°C. Cell lysates were analyzed using this phosphoELISA:

