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Datasheet for ABIN4886053

ENOS ELISA Kit



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Quantity:	96 tests	
Target:	ENOS (NOS3)	
Binding Specificity:	pSer1177	
Reactivity:	Human	
Method Type:	Sandwich ELISA	
Application:	ELISA	
Product Details		
Purpose:	Human Phospho-eNOS (S1177) ELISA Kit. This assay semi-quantitatively measures	
	phophorylated eNOS (Ser1177) in lysate samples.	
Sample Type:	Cell Lysate, Tissue Lysate	
Analytical Method:	Semi-Quantitative	
Detection Method:	Colorimetric	
Specificity:	The antibody pair provided in this kit recognizes human eNOS phosphorylated at site Serine-	
	1177.	
Characteristics:	Rapidly measure phosphorylated protein in lysates	
	 Screen numerous different cell lysates without performing a Western Blot analysis 	
	Minimal hands-on time, convenient, and non-radioactive material	
Components:	Pre-Coated 96-well Strip Microplate	
	Wash Buffer	
	Anti-Phospho Antibody	

Product Details

- · HRP-Conjugated Secondary Antibody
- · Assay Diluent
- · TMB One-Step Substrate
- · Stop Solution
- · Lysis Buffer
- Positive Control Sample

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:	ENOS (NOS3)	
Alternative Name:	eNOS (NOS3 Products)	
Gene ID:	4846	
UniProt:	P29474	
Pathways:	ACE Inhibitor Pathway, Regulation of Systemic Arterial Blood Pressure by Hormones, Cellular Response to Molecule of Bacterial Origin, Myometrial Relaxation and Contraction, Signaling Events mediated by VEGFR1 and VEGFR2, Thromboxane A2 Receptor Signaling, VEGFR1	
	Specific Signals, VEGF Signaling	

Application Details

100 μL	
Pre-coated	
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.	
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.	

Application Details

Expiry Date:

6 months

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.