

Datasheet for ABIN5674859
CYP11B2 ELISA Kit



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Overview

Quantity:	96 tests
Target:	CYP11B2
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.312 ng/mL - 20 ng/mL
Minimum Detection Limit:	0.312 ng/mL
Application:	ELISA

Product Details

Sample Type:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0117 ng/mL
Components:	Pre-coated, ready to use 96-well strip plate Standard (freeze dried) Standard Diluent Detection Reagent A Detection Reagent B Assay Diluent A Assay Diluent B TMB Substhumane

Product Details

Stop Solution
Wash Buffer(30 x concenthumane)
Plate sealer for 96 wells
Instruction manual

Material not included:

1. Microplate reader with $450 \pm 10\text{nm}$ filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution.

Target Details

Target: CYP11B2

Alternative Name: Aldosterone Synthase (ALDOS) ([CYP11B2 Products](#))

Background: Alternative name: CPN2, CYP11B, CYP11BL, CYP11B2, P450C18, P450aldo, Steroid 18-hydroxylase, Aldosterone-synthesizing enzyme, Cytochrome P450 Family 11 Subfamily B Polypeptide 2

Gene ID: 11677

UniProt: [P45376](#)

Pathways: [ACE Inhibitor Pathway](#), [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [C21-Steroid Hormone Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Assay Time: 1 - 4.5 h

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards
2. Add 100 μL standard or sample to each well. Incubate 2 hours at 37°C
3. Aspirate and add 100 μL prepared Detection Reagent A. Incubate 1 hour at 37°C
4. Aspirate and wash 3 times
5. Add 100 μL prepared Detection Reagent B. Incubate 1 hour at 37°C

Application Details

6. Aspirate and wash 5 times
 7. Add 90 μ L Substrate Solution. Incubate 15-25 minutes at 37°C
 8. Add 50 μ L Stop Solution. Read at 450nm immediately.
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Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months