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Datasheet for ABIN5674858  
**CYP11B2 ELISA Kit**

### Overview

Quantity:	96 tests
Target:	CYP11B2
Reactivity:	Human
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:	0112 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

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

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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

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Target: CYP11B2

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

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

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Gene ID: 231

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UniProt: [P15121](#)

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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

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

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Assay Time: 1 - 4.5 h

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Plate: Pre-coated

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Protocol:

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

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## Application Details

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

## Handling

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Storage: 4 °C

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Expiry Date: 12 months