

Datasheet for ABIN5674843
CYP27B1 ELISA Kit



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Overview

Quantity:	96 tests
Target:	CYP27B1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Lysate, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0.29 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: CYP27B1

Alternative Name: Cytochrome P450 27B1 (CYP27B1) ([CYP27B1 Products](#))

Background: Alternative name: VDD1, PDDR, CYP1, P450c1, 25-Hydroxyvitamin D3 1-Alpha-Hydroxylase, Cytochrome P450 Family 27 Subfamily B Polypeptide 1, Calcidiol 1-monooxygenase, VD3 1A hydroxylase

Gene ID: 1594

UniProt: [O15528](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#)

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
6. Aspirate and wash 5 times
7. Add 90 μL Substrate Solution. Incubate 15-25 minutes at 37°C

Application Details

8. Add 50 μ L Stop Solution. Read at 450nm immediately.

Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months