Datasheet for ABIN5674662

ATP1A1 ELISA Kit

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Overview

Quantity:	96 tests
Target:	ATP1A1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.156 ng/mL - 10 ng/mL
Minimum Detection Limit:	0.156 ng/mL
Application:	ELISA

Product Details

Sample Type:	Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0042 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 ± 10nm 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:	ATP1A1
Alternative Name:	ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1a1) (ATP1A1 Products)
Background:	Alternative name: Sodium pump subunit alpha-1, Na(+)/K(+) ATPase alpha-1 subunit, Sodium/potassium-transporting ATPase subunit alpha-1
Gene ID:	11928
UniProt:	Q8VDN2
Pathways:	Thyroid Hormone Synthesis, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Proton Transport, Ribonucleoside Biosynthetic Process

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 100µL standard or sample to each well. Incubate 2 hours at 37℃ 3. Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37℃ 4. Aspirate and wash 3 times 5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37℃ 6. Aspirate and wash 5 times 7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37℃

Application Details

	8. Add 50µL Stop Solution. Read at 450nm immediately.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12 months