

Datasheet for ABIN5674675 **COL2A1 ELISA Kit**

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Overview

Quantity:	96 tests
Target:	COL2A1
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:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0055 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:	COL2A1
Alternative Name:	CollagenType II Alpha 1 (COL2a1) (COL2A1 Products)
Background:	Alternative name: COL2-A1, COL2A1, SEDC, Chondrocalcin, Collagen Alpha-1(II)Chain, Primary Osteoarthritis,Spondyloepiphyseal Dysplasia,Congenital
Gene ID:	12824
UniProt:	P28481
Pathways:	Sensory Perception of Sound , Growth Factor Binding

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°C 3. Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37°C 4. Aspirate and wash 3 times 5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37°C 6. Aspirate and wash 5 times 7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37°C 8. Add 50µL Stop Solution. Read at 450nm immediately.

Application Details

Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months