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Datasheet for ABIN6719769

Renin ELISA Kit



Overview

Quantity:	1 kit
Target:	Renin (REN)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: ATP6AP2, ATP6M8-9, ATPase H(+)-transporting lysosomal accessory protein 2, ATPase H(+)-transporting lysosomal-interacting protein 2, Embryonic liver differentiation factor 10, ER-localized type I transmembrane adaptor, N14F, Renin receptor, Renin/prorenin receptor, RENR_HUMAN, V-ATPase M8.9 subunit, Vacuolar ATP synthase membrane sector-associated protein M8-9
	Background: Renin-1 is also known as Ren, Angiotensinogenase or Kidney rennin. It is a member of peptidase A1 family. Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of

reactions that produce an elevation of blood pressure and increased sodium retention by the

kidney. It associated to membranes via binding to ATP6AP2.

Gene Name: REN

Production: Natural and recombinant mouse Renin-1. There is no detectable cross-reactivity

with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S72-R402

Target Details

Target:	Renin (REN)
Alternative Name:	Renin-1 (REN Products)
Gene ID:	19701
NCBI Accession:	NP_112469
UniProt:	P06281
Pathways:	ACE Inhibitor Pathway, Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones, Feeding Behaviour

Application Details

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0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse Renin-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Renin-1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment:

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.