Human REN Antibody Pair Set

Catalog No. E-KAB-0466 **Applications** ELISA
Synonyms Angiotensinogenase

Kit components & Storage

Title	Specifications	Storage
Human REN Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human REN Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

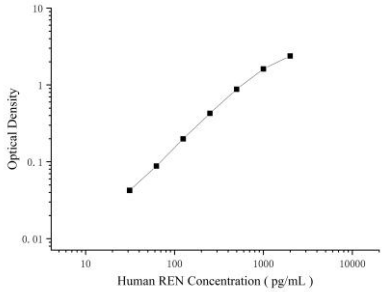
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0466)	
		Human REN Capture Antibody	Human REN Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human REN protien	Recombinant Human REN protien
	Swissprot	P00797	
Product details	Reactivity	Human	Human
	Host	Mouse	Sheep
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human REN in ELISAs.	

Applications

Human REN Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human REN Capture Antibody	
ELISA Detection	1:1000-1:10000	Human REN Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release;vasoconstriction , and increase in blood pressure. Renin , an aspartyl protease , cleaves angiotensinogen to form angiotensin I , which is converted to angiotensin II by angiotensin I converting enzyme , an important regulator of blood pressure and electrolyte balance. Transcript variants that encode different protein isoforms and that arise from alternative splicing and the use of alternative promoters have been described , but their full-length nature has not been determined.