

Human Prorenin ELISA Kit | REN elisa kit

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CATALOG #
AAA247214

REACTIVITY
Human

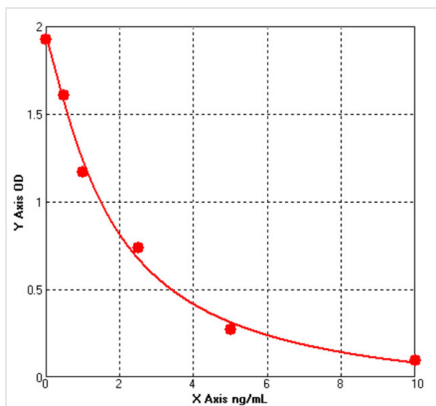
PRODUCT SYNONYMS

Prorenin; Human Prorenin ELISA Kit; REN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Prorenin. No significant cross-reactivity or interference between Prorenin and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Prorenin and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	406
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REN elisa kit	Principle of the Assay: Prorenin ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Prorenin antibody and an Prorenin-HRP conjugate. The assay sample and buffer are incubated together with Prorenin-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Prorenin concentration since Prorenin from samples and Prorenin-HRP conjugate compete for the anti-Prorenin antibody binding site. Since the number of sites is limited, as more sites are occupied by Prorenin from the sample, fewer sites are left to bind Prorenin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Prorenin concentration in each sample is interpolated from this standard curve. Intended Uses: This Prorenin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Prorenin. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61699710
NCBI GeneID	574299
Molecular Weight	44,961 Da
NCBI Official Full Name	prorenin
NCBI Official Symbol	REN
NCBI Protein Information	renin
UniProt Protein Name	Renin
UniProt Gene Name	REN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/prorenin/247214>