

Human ACE ELISA Kit | ACE elisa kit

ACE Human ELISA Kit

CATALOG # AAA59028	REACTIVITY Human	APPLICATIONS ELISA
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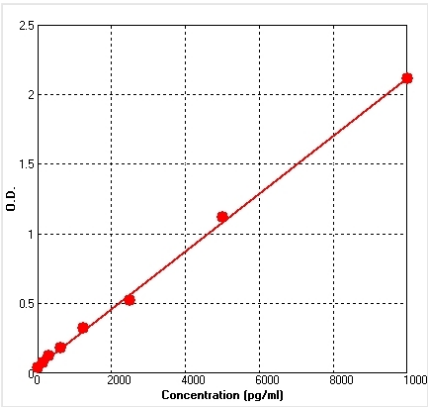
PRODUCT SYNONYMS

ACE; ACE Human ELISA Kit; Human ACE; ACE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 5pg/ml
Applicable Applications for ACE elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ACE polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ACE polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ACE amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ACE can be calculated. Background: Angiotensin-converting enzyme (ACE) is a circulating enzyme that participates in the body's renin-angiotensin system (RAS), which mediates extracellular volume and arterial vasoconstriction. It is secreted by pulmonary and renal endothelial cells and catalyzes the conversion of decapeptide angiotensin I to octapeptide angiotensin II. It plays an important role in blood pressure regulation, and also plays a crucial role in fertilization through its GPlase activity. The enzyme is also able to inactivate bradykinin, a potent vasodilator. It has a molecular weight of 80,073.
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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://stage.aaabiotech.com/human-elisa-kits/ace/59028>