

Human Angiotensin 1-7 (Ang1-7) RTU ELISA Kit | Ang1-7 rtu elisa kit

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CATALOG #
AAA69054

REACTIVITY
Human

PRODUCT SYNONYMS

Angiotensin 1-7 (Ang1-7); Human Angiotensin 1-7 (Ang1-7) ELISA Kit; ANG1; AGP1; AGPT; ANG-I; Ang1-7 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ang1-7. No significant cross-reactivity or interference between Ang1-7 and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	7.81-500pg/mL
Sensitivity	< 3.48pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Ang1-7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Ang1-7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

ADDITIONAL INFORMATION

Related Product Information for Ang1-7 rtu elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of Ang1-7 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Ang1-7 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Ang1-7 and unlabeled Ang1-7 (Standards or samples) with the pre-coated antibody specific to Ang1-7. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Ang1-7 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Ang1-7 in the sample.

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.