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Human ANP (Atrial Natriuretic Peptide) ELISA Kit

Cat #: G-EC-00085

Species: Human

Sensitivity: 4.69pg/mL

Type: Competitive

Range: 7.81~500pg/mL

Detection: Colormetric

Duration: 2.5h

Principle:
This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Human ANP. During the reaction, Human ANP in samples or Standard competes with a fixed amount of Human ANP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human ANP. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The concentration of Human ANP in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Human ANP in samples. No significant cross-reactivity or interference between Human ANP and analogues was observed.

UniProt ID: P01160

Gene: ANP

Synonyms: NPPA, ANF, ANH, ATFB6, CDD-ANF, PND, Atriopeptin

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of Human ANP concentrations in Serum, plasma and other biological

Research Areas: Cancer, Cardiovascular, Signal transduction

Storage:
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.

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