

ELISA Kit for Atrial Natriuretic Peptide (ANP)

Catalog No: tcue8486



Available Sizes

Size: 96T



Specifications

Research Area:

Endocrinology; Cardiovascular biology; Hormone metabolism;

Species Reactivity:

Canis familiaris; Canine (Dog)

Sample Type:

serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 5.25pg/mL

Detection Range:

12.35-1000pg/mL

Assay Time:

2h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

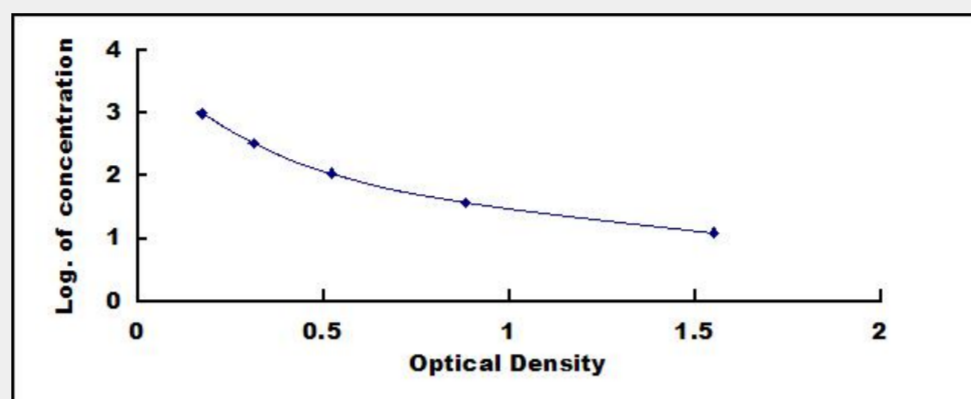
Tested Application:

ELISA

Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Atrial Natriuretic Peptide (ANP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Atrial Natriuretic Peptide (ANP) and unlabeled Atrial Natriuretic Peptide (ANP) (Standards or samples) with the pre-coated antibody specific to Atrial Natriuretic Peptide (ANP). 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 Atrial Natriuretic Peptide (ANP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Atrial Natriuretic Peptide (ANP) in the sample.



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