Web: www.taiclone.com
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ELISA Kit for N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP)

Catalog No: tcue8324

Available Sizes

Size: 96T

Specifications

Research Area:
Endocrinology;Cardiovascular biology;

Species Reactivity:
Oryctolagus cuniculus (Rabbit)

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 47.2pg/mL

Detection Range:
123.5-10,000pg/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 N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between

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biotin labeled N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) and unlabeled N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) (Standards or samples) with the pre-coated antibody specific to N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP). 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 N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) in the sample.