

ELISA Kit for Brain Natriuretic Peptide (BNP)

Catalog No: tcue1634



Available Sizes

Size: 96T



Specifications

Research Area:

Cardiovascular biology;Neuro science;Hormone metabolism;

Species Reactivity:

Rattus norvegicus (Rat)

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 1.77pg/mL

Detection Range:

4.94-400pg/mL

Assay Time:

2h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

ELISA

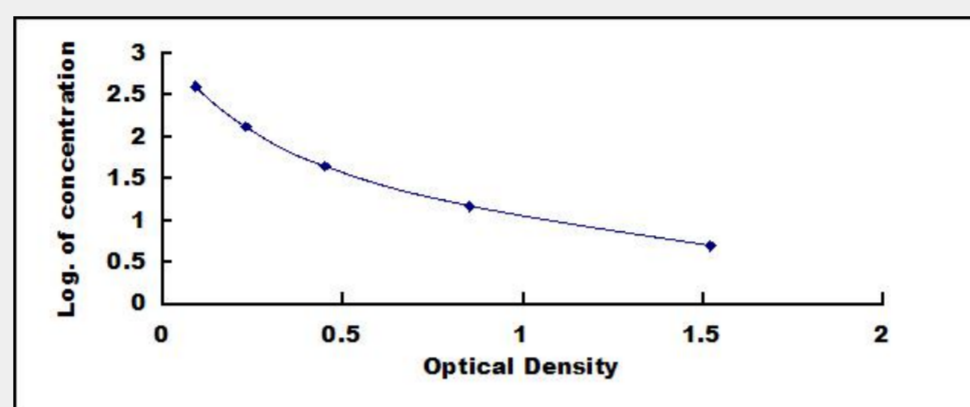
SwissProt:

P13205

Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Brain Natriuretic

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



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