

ELISA Kit for Insulin (INS)

Catalog No: tcue1316



Available Sizes

Size: 96T



Specifications

Research Area:

Metabolic pathway;Endocrinology;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 49.3pg/mL

Detection Range:

123.5-10000pg/mL

Assay Time:

2h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

ELISA

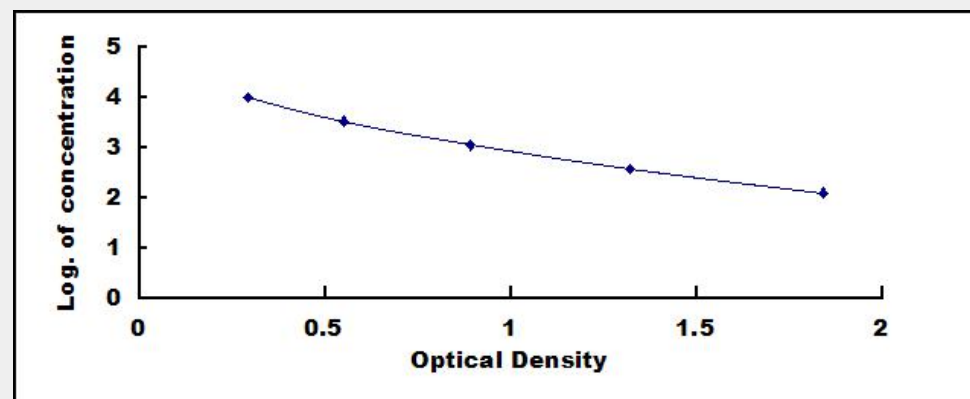
SwissProt:

P01322

Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Insulin (INS) has

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



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