

# ELISA Kit for Islet Amyloid Polypeptide (IAPP)

Catalog No: tcue267



## Available Sizes

**Size:** 96T



## Specifications

**Research Area:**

Metabolic pathway;Endocrinology;Hepatology;

**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 2.83pg/mL

**Detection Range:**

6.17-500pg/mL

**Assay Time:**

2h

**Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

**Tested Application:**

ELISA

**SwissProt:**

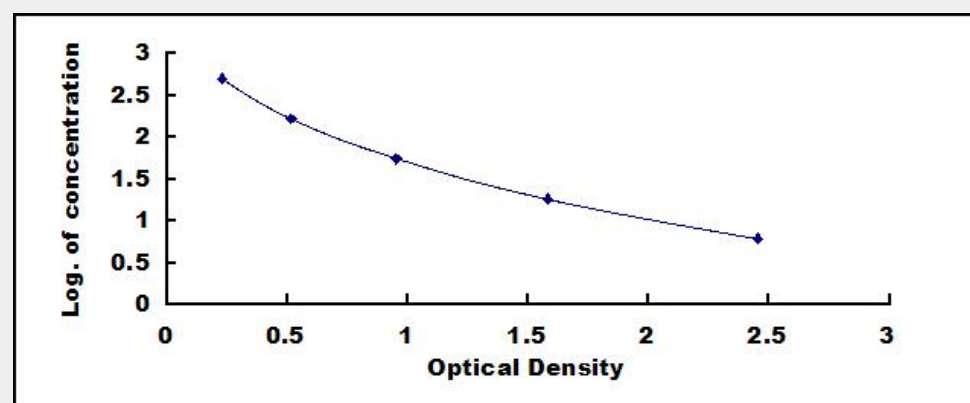
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## Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Islet Amyloid



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



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!