

# ELISA Kit for Adrenocorticotropic Hormone (ACTH) Catalog No: tcue1410

**Available Sizes** 

**Size:** 96T

Specifications

**Research Area:** Endocrinology;Hormone metabolism;

**Species Reactivity:** Rattus norvegicus (Rat)

**Sample Type:** serum, plasma and other biological fluids

#### Sensitivity:

The minimum detectable dose of this kit is typically less than 0.67pg/mL

**Detection Range:** 

1.23-100pg/mL

**Assay Time:** 

2h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

### **Tested Application:**

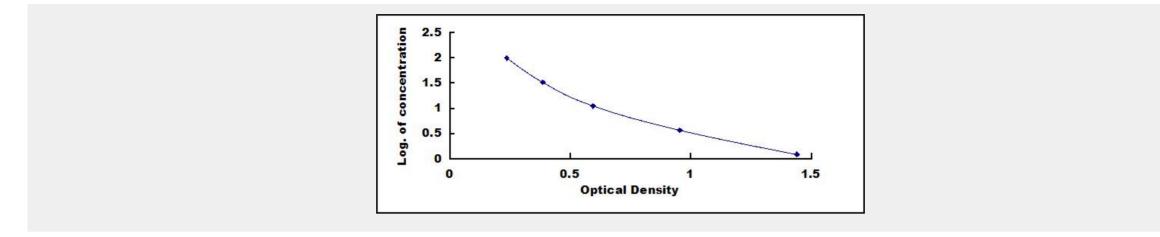
ELISA

## **Test Principle**

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



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