

ELISA Kit for 5-Hydroxyindoleacetic Acid (5-HIAA)

Catalog No: tcue433



Available Sizes

Size: 96T



Specifications

Research Area:

Metabolic pathway;Tumor immunity;Endocrinology;

Species Reactivity:

Pan-species (General)

Sample Type:

serum, plasma, urine, cerebrospinal fluid and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 1.93ng/mL

Detection Range:

4.94-400ng/mL

Assay Time:

2h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

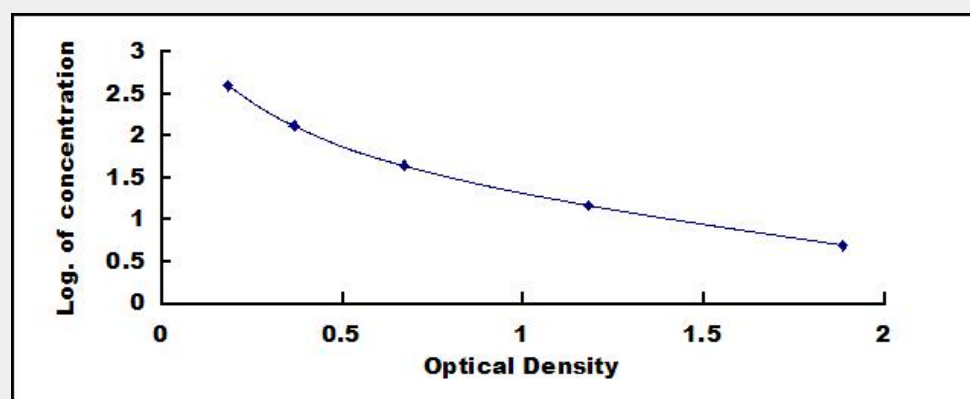
Tested Application:

ELISA

Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to 5-Hydroxyindoleacetic Acid (5-HIAA) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled 5-Hydroxyindoleacetic Acid (5-HIAA) and unlabeled 5-Hydroxyindoleacetic Acid (5-HIAA) (Standards or samples) with the pre-coated antibody specific to 5-Hydroxyindoleacetic Acid (5-HIAA). 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 5-Hydroxyindoleacetic Acid (5-HIAA) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of 5-Hydroxyindoleacetic Acid (5-HIAA) in the sample.



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