

General 5-Hydroxyindoleacetic Acid ELISA Kit | 5-HIAA elisa kit

5-Hydroxyindoleacetic Acid ELISA Kit

CATALOG #
AAA100531

REACTIVITY
General

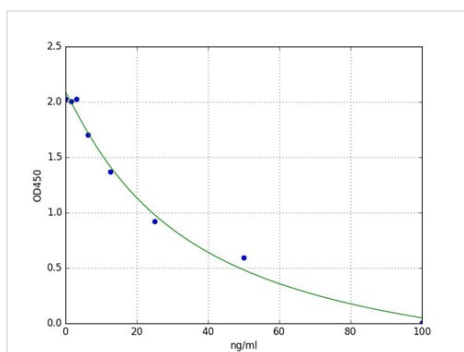
PRODUCT SYNONYMS

5-Hydroxyindoleacetic Acid; 5-Hydroxyindoleacetic Acid ELISA Kit; 5-HIAA (5-Hydroxyindoleacetic Acid); 5-HIAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a 5-HIAA ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	2.723	2.419	2.201	1.985	1.634	1.152	0.742	0.455

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5-HIAA elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with 5-HIAA. During the reaction, 5-HIAA in the sample or standard competes with a fixed amount of 5-HIAA on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to 5-HIAA. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of 5-HIAA in the samples is then determined by comparing the O.D. of the samples to the standard curve.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.