

Human 5-Hydroxytryptophan ELISA Kit | 5-HTP elisa kit

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CATALOG #
AAA247620

REACTIVITY
Human

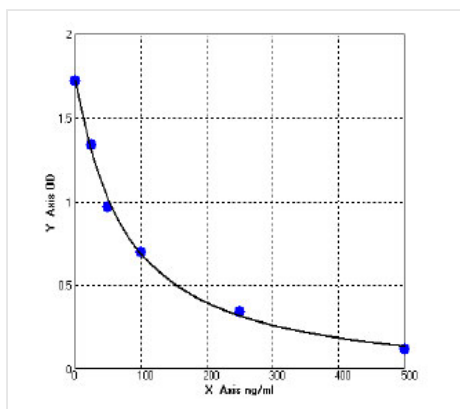
PRODUCT SYNONYMS

5-Hydroxytryptophan; Human 5-Hydroxytryptophan ELISA Kit; 5-HTP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of 5-HTP. No significant cross-reactivity or interference between 5-HTP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 5-HTP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intra-Assay	CV<10%
Inter-Assay	CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5-HTP elisa kit	Principle of the Assay: 5-HTP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-5-HTP antibody and an 5-HTP-HRP conjugate. The assay sample and buffer are incubated together with 5-HTP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the 5-HTP concentration since 5-HTP from samples and 5-HTP-HRP conjugate compete for the anti-5-HTP antibody binding site. Since the number of sites is limited, as more sites are occupied by 5-HTP from the sample, fewer sites are left to bind 5-HTP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 5-HTP concentration in each sample is interpolated from this standard curve. Intended Uses: This 5-HTP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 5-HTP. This ELISA kit for research use only, not for therapeutic or test applications!
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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.

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Online datasheet: <https://stage.aaabiotech.com/5-htp-human-elisa-kits/5-hydroxytryptophan/247620>