

5-Hydroxytryptamine (5-HT) CLIA Kit | 5-HT clia kit

General species 5-Hydroxytryptamine (5-HT)(Competitive CLIA) ELISA Kit

CATALOG # AAA150867	REACTIVITY General species	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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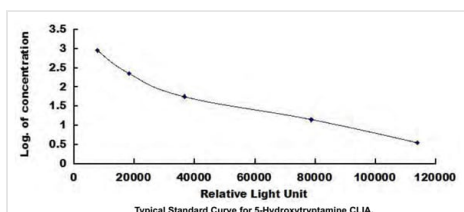
PRODUCT SYNONYMS

5-Hydroxytryptamine (5-HT); General species 5-Hydroxytryptamine (5-HT)(Competitive CLIA) ELISA Kit; CLIA Kit for 5-Hydroxytryptamine (5-HT); 5-HT/5-Hydroxytryptamine; 5HT; Serotonin; N-Methyl-Gamma; 5-HT clia kit

PRODUCT SPECIFICATIONS

Reactivity	General species
Specificity	This assay has high sensitivity and excellent specificity for detection of 5-Hydroxytryptamine. No significant cross-reactivity or interference between 5-Hydroxytryptamine and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	3.52-900ng/mL
Sensitivity	< 1.54ng/mL
Applicable Applications for 5-HT clia kit	CLIA (Chemiluminescence Immunoassay)
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 5-Hydroxytryptamine were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level 5-Hydroxytryptamine were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5-HT clia kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to 5-Hydroxytryptamine. A competitive inhibition reaction is launched between biotin labeled 5-Hydroxytryptamine and unlabeled 5-Hydroxytryptamine (Standards or samples) with the pre-coated antibody specific to 5-Hydroxytryptamine. 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-Hydroxytryptamine in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the 5-Hydroxytryptamine level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of 5-Hydroxytryptamine in serum, plasma and other biological fluids.
Product Categories/Family for 5-HT clia kit	Apoptosis; Hematology

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://www.aaabiotech.com/general-clia-kits/5-hydroxytryptamine-5-ht/150867>