

Fish 5-HT (5-Hydroxytryptamine) ELISA Kit | 5-HT elisa kit

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CATALOG #
AAA276945

REACTIVITY
Fish

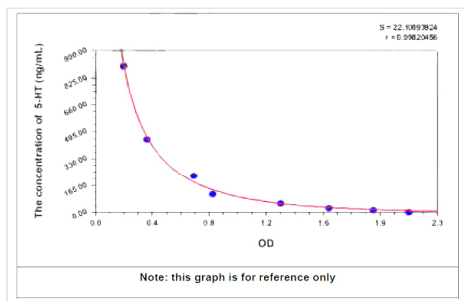
PRODUCT SYNONYMS

5-HT (5-Hydroxytryptamine); Fish 5-HT (5-Hydroxytryptamine) ELISA Kit; 5HT; Serotonin; N-Methyl-Gamma; 5-HT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Fish
Specificity	This assay has high sensitivity and excellent specificity for detection of Zebrafish 5-HT. No significant cross-reactivity or interference between Zebrafish 5-HT and analogues was observed.
Assay Type	Competitive
Detection Range	14.07-900 ng/mL
Sensitivity	3.97 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)?CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)?CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5-HT elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Zebrafish 5-HT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Zebrafish 5-HT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Zebrafish 5-HT in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for 5-HT elisa kit

[Signal transduction](#); [Infection immunity](#); [Neuroscience](#); [Gastroenterology](#)

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/fish-elisa-kits/5-ht-5-hydroxytryptamine/276945>