

## Rat 5-HT (5-Hydroxytryptamine) ELISA Kit | 5-HT elisa kit

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CATALOG #  
AAA276497

REACTIVITY  
Rat

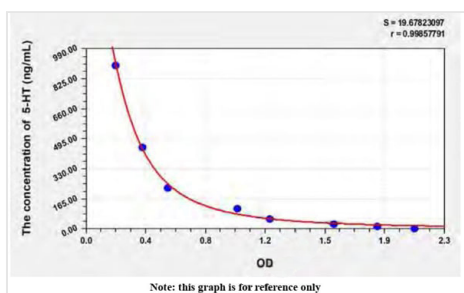
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat 5-HT. No significant cross-reactivity or interference between Rat 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.           |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                  |

### 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 Rat 5-HT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 Rat 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; Neuro science; 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/rat-elisa-kits/5-ht-5-hydroxytryptamine/276497>