

General Gastradin (GTD) ELISA Kit | GTD elisa kit

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CATALOG #
AAA182422

REACTIVITY
General

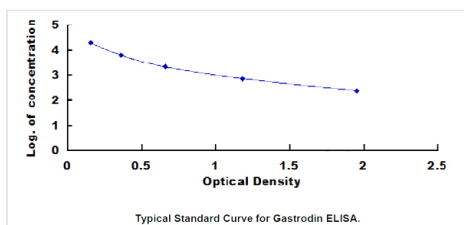
PRODUCT SYNONYMS

Gastrodin (GTD); General Gastradin (GTD) ELISA Kit; Gastradine; GTD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of gastradin. No significant cross-reactivity or interference between gastradin and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Biological agents and other biological fluids
Detection Range	246.9-20,000ng/mL
Sensitivity	< 87.5ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level gastradin 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 gastradin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 GTD elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to gastrodin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled gastrodin and unlabeled gastrodin (Standards or samples) with the pre-coated antibody specific to gastrodin. 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 gastrodin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of gastrodin in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of gastrodin in biological agents and other biological fluids.
References	A single low-energy shockwave pulse opens blood-cerebrospinal fluid barriers and facilitates gastrodin delivery to alleviate epilepsy; Ultrason Sonochem; 2021 Oct;78:105730.; PMID: 34464899; Yi Kung; Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital & National Taiwan University College of Medicine, Taipei City, Taiwan.

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/general-elisa-kits/gastrodin-gtd/182422>