

Human Somatostatin (SST) ELISA Kit | SST elisa kit

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CATALOG #
AAA139598

REACTIVITY
Human

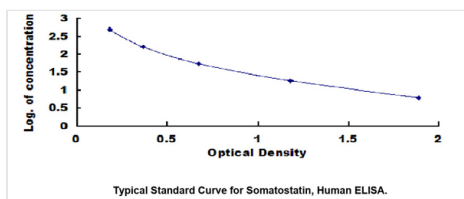
PRODUCT SYNONYMS

Somatostatin (SST); Human Somatostatin (SST) ELISA Kit; GHIH; SRIF; SMST; GHRIH; GHRIF; Growth Hormone Releasing Inhibiting Hormone; Somatotropin Release-Inhibiting Factor; Somatostatin-14; Somatostatin-28; SST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of somatostatin. No significant cross-reactivity or interference between somatostatin and analogues was observed.
Sequence Length	116
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	< 2.62pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level somatostatin 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 somatostatin 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 SST elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to somatostatin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled somatostatin and unlabeled somatostatin (Standards or samples) with the pre-coated antibody specific to somatostatin. 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 somatostatin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of somatostatin in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of somatostatin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for SST elisa kit	Tumor immunity; Endocrinology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	62986
UniProt Accession #	P33094
Molecular Weight	12,675 Da
NCBI Official Full Name	somatostatin
UniProt Protein Name	Somatostatin
UniProt Gene Name	SST
UniProt Entry Name	SMS_CHICK

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/human-elisa-kits/somatostatin-sst/139598>