

Datasheet for ABIN5658884 **Somatostatin ELISA Kit**



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Overview

Quantity:	96 tests
Target:	Somatostatin (SST)
Reactivity:	Pig
Method Type:	Sandwich ELISA
Detection Range:	3.12 ng/mL - 200 ng/mL
Minimum Detection Limit:	3.12 ng/mL
Application:	ELISA

Product Details

Sample Type:	Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of Somatostatin (SST). No significant cross-reactivity or interference between Somatostatin (SST) and analogues was observed.
Sensitivity:	1.27 ng/mL

Target Details

Target:	Somatostatin (SST)
Alternative Name:	Somatostatin (SST Products)

Target Details

Target Type:	Chemical
Background:	Gene Name: Somatostatin Gene Aliases: GHIH, SRIF, SMST, GHRIH, GHRIF, Growth Hormone Releasing Inhibiting Hormone, Somatotropin Release-Inhibiting Factor, Somatostatin-14, Somatostatin-28

Application Details

Comment:	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.
Assay Time:	2 - 3 h
Plate:	Pre-coated
Protocol:	This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to Somatostatin (SST) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between Horseradish Peroxidase (HRP) labeled Somatostatin (SST) and unlabeled Somatostatin (SST) (Standards or samples) with the pre-coated antibody specific to Somatostatin (SST). After incubation the unbound conjugate is washed off. The amount of bound HRP conjugate is reverse proportional to the concentration of Somatostatin (SST) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Somatostatin (SST) in the sample.
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Somatostatin (SST) were tested 20 times on one plate, respectively Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Somatostatin (SST) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = \frac{SD}{mean} \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Restrictions:	For Research Use only

Handling

Handling Advice:	The Stop Solution is acidic. Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all
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Handling

	steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months