

Mouse Somatostatin (SS) ELISA Kit | SS elisa kit

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CATALOG #
AAA332274

REACTIVITY
Mouse

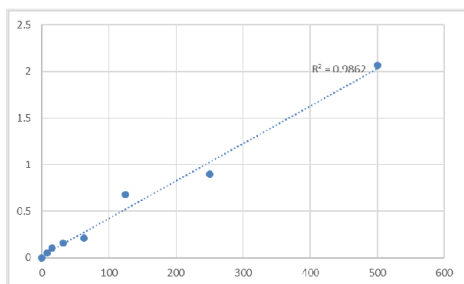
PRODUCT SYNONYMS

Somatostatin (SS); Mouse Somatostatin (SS) ELISA Kit; SST; SMST; somatostatin-14; somatostatin-28; SS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Somatostatin (SS) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SST. No significant cross-reactivity or interference between Mouse SST and analogues was observed.
Sequence Length	116
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Somatostatin (SS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SS elisa kit	Description: This Mouse Somatostatin (SS) ELISA Kit employs a two-site sandwich ELISA to quantitate SST in samples. An antibody specific for SST has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SST present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SST is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SST bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Somatostatin is a peptide hormone that regulates the endocrine system and affects neurotransmission and cell proliferation via interaction with G-protein-coupled somatostatin receptors and inhibition of the release of numerous secondary hormones.Somatostatin was first discovered in hypothalamic extracts and identified as a hormone that inhibited secretion of growth hormone. Subsequently, somatostatin was found to be secreted by a broad range of tissues, including pancreas, intestinal tract and regions of the central nervous system outside the hypothalamus. Two forms of somatostatin are synthesized. They are referred to as SS-14 and SS-28, reflecting their amino acid chain length. Both forms of somatostatin are generated by proteolytic cleavage of prosomatostatin, which itself is derived from preprosomatostatin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678035
NCBI GeneID	20604
NCBI Accession #	NP_033241.1
NCBI GenBank Nucleotide #	NP_033241.1
UniProt Accession #	P60041
NCBI Official Full Name	somatostatin
NCBI Official Synonym Full Names	somatostatin
NCBI Official Symbol	Sst
NCBI Official Synonym Symbols	SS; SOM; SRIF; Smst
NCBI Protein Information	somatostatin
UniProt Protein Name	Somatostatin
UniProt Gene Name	Sst
UniProt Synonym Gene Names	Smst

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.