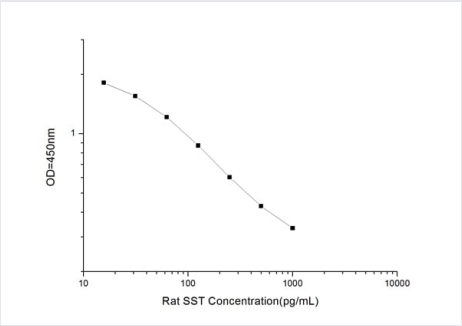
SST ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	SST, ELISA Kit
Full Product Name	Rat SST (Somatostatin) ELISA Kit
Product Gene Name	SST elisa kit
Species Reactivity	Rat
Assay Type	Competitive
Samples	Serum, Plasma, Biological Fluids
Detection Range	15.625-1000pg/mL
Sensitivity	Min: 9.375pg/mL; Max: 1000pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SST. No significant cross-reactivity or interference between Rat SST and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat SST and all the analogues, therefore, cross reaction may still exist.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	48,106 Da
3D Structure	ModBase 3D Structure for Q02769
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SST elisa kit	**Description:** The kit is a competitive enzyme immunoassay for in vitro quantitative measurement of SST in Rat serum, plasma and other biological fluids **Principle of the Assay:** This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Rat SST. During the reaction, Rat SST in the sample or standard competes with a fixed amount of Rat SST on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat SST. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Rat SST in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of SST elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SST purchase	MBS2503580 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the SST, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SST. The ELISA analytical biochemical technique of the MBS2503580 kit is based on SST antibody-SST antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SST antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SST. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of SST elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SST. It may not necessarily be applicable to this product.

NCBI GI #	9506591
NCBI GeneID	29580
NCBI Accession #	NP_062111.1
UniProt Primary Accession #	Q02769
UniProt Related Accession #	Q02769
GenBank Nucleotide #	NM_019238.2
NCBI Official Full Name	squalene synthase
NCBI Official Synonym Full Names	farnesyl diphosphate farnesyl transferase 1
NCBI Official Symbol	Fdft1
UniProt Protein Name	Squalene synthase
UniProt Synonym Protein Names	FPP:FPP farnesyltransferase; Farnesyl-diphosphate farnesyltransferase
Protein Family	Somatostatin
UniProt Gene Name	Fdft1
UniProt Synonym Gene Names	SQS; SS
UniProt Entry Name	FDFT_RAT
NCBI Protein Information	squalene synthase; FPP:FPP farnesyltransferase; SQS; SS; farnesyl diphosphate farnesyltransferase; farnesyl-diphosphate farnesyltransferase; squalene synthetase
NCBI Summary for SST	catalyzes the conversion of trans-farnesyl diphosphate to squalene; plays a role in biosynthesis of cholesterol and of isoprenoids [RGD, Feb 2006]
UniProt Comments for SST	Critical branch point enzyme of isoprenoid biosynthesis that is thought to regulate the flux of isoprene intermediates through the sterol pathway.
Research Articles on SST	**1.** The hypomorphic Lss(S) and Fdft1(S) alleles are not specific to the SCR strain, but are widely prevalent in several other laboratory rat strains.
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