

Canine Somatostatin ELISA Kit | SST elisa kit

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CATALOG #
AAA92666

REACTIVITY
Canine

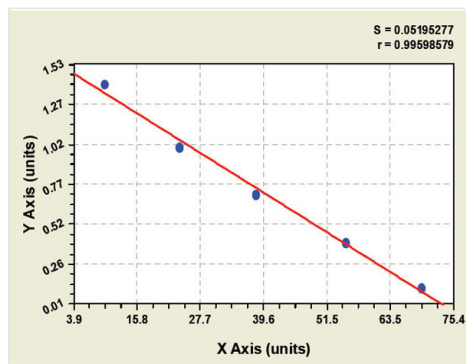
PRODUCT SYNONYMS

Somatostatin; Canine Somatostatin ELISA Kit; SST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SST ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SST. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SST elisa kit

Principle of the Assay: SST ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SST antibody and an SST-HRP conjugate. The assay sample and buffer are incubated together with SST-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SST concentration since SST from samples and SST-HRP conjugate compete for the anti-SST antibody binding site. Since the number of sites is limited, as more sites are occupied by SST from the sample, fewer sites are left to bind SST-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SST concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21619156
NCBI GeneID	6750
Molecular Weight	12,736 Da
NCBI Official Full Name	Somatostatin
NCBI Official Synonym Full Names	somatostatin
NCBI Official Symbol	SST
NCBI Official Synonym Symbols	SMST
NCBI Protein Information	somatostatin; somatostatin-14; somatostatin-28; prepro-somatostatin; growth hormone release-inhibiting factor
UniProt Protein Name	Somatostatin
UniProt Gene Name	SST
UniProt Entry Name	SMS_HUMAN

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.