

Human Steryl-Sulfatase (STS) ELISA Kit | STS elisa kit

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CATALOG #
AAA330612

REACTIVITY
Human

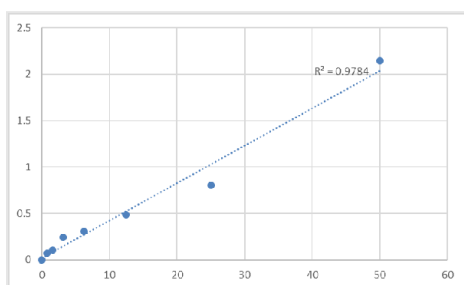
PRODUCT SYNONYMS

Steryl-Sulfatase (STS); Human Steryl-Sulfatase (STS) ELISA Kit; STS; ARSC; ARSC1; ASC; ES; SSDD; XLI; arylsulfatase C; estrone sulfatase; steryl-sulfatase; steryl-sulfate sulfohydrolase; STS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Steryl-sulfatase (STS) ELISA Kit has high sensitivity and excellent specificity for detection of Human STS. No significant cross-reactivity or interference between Human STS and analogues was observed.
Sequence Length	583
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. Human Steryl-sulfatase (STS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STS elisa kit	Description: This Human Steryl-sulfatase (STS) ELISA Kit employs a two-site sandwich ELISA to quantitate STS in samples. An antibody specific for STS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STS 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 STS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: STS catalyzes the conversion of sulfated steroid precursors to estrogens during pregnancy. The encoded protein is found in the endoplasmic reticulum, where it acts as a homodimer. The deduced 583-residue protein has a molecular mass of 63 kD and contains a 21- or 23-residue signal peptide, 4 possible N-linked glycosylation sites, and 2 potential membrane-spanning domains. Expression in hamster kidney cells (BHK-21) showed localization predominantly in the endoplasmic reticulum, with smaller fractions found in the Golgi, at the cell surface, and in endosomes and lysosomes. The major transcription start site was at position -221 with respect to the AUG translation initiation codon, and the amino acids were renumbered to make the initiating methionine +1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53831991
NCBI GeneID	412
NCBI Accession #	NP_000342.2
NCBI GenBank Nucleotide #	NP_000342.2
UniProt Accession #	P08842
NCBI Official Full Name	steryl-sulfatase isoform 1
NCBI Official Synonym Full Names	steroid sulfatase
NCBI Official Symbol	STS
NCBI Official Synonym Symbols	ES; ASC; XLI; ARSC; SSDD; ARSC1
NCBI Protein Information	steryl-sulfatase
UniProt Protein Name	Steryl-sulfatase
UniProt Gene Name	STS
UniProt Synonym Gene Names	ARSC1; ASC
UniProt Entry Name	STS_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.