

Human Suppressor Of Tumorigenicity 14 Protein (ST14) ELISA Kit | ST14 elisa kit

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CATALOG #
AAA330589

REACTIVITY
Human

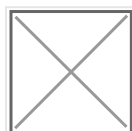
PRODUCT SYNONYMS

Suppressor Of Tumorigenicity 14 Protein (ST14); Human Suppressor Of Tumorigenicity 14 Protein (ST14) ELISA Kit; ST14; HAI; MT-SP1; MTSP1; PRSS14; SNC19; TADG15; matriptase; membrane-type serine protease 1; prostamin; serine protease 14; serine protease TADG-15; suppression of tumorigenicity 14 (colon carcinoma); matripta; ST14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Suppressor of tumorigenicity 14 protein (ST14) ELISA Kit has high sensitivity and excellent specificity for detection of Human ST14. No significant cross-reactivity or interference between Human ST14 and analogues was observed.
Sequence Length	855
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 Suppressor of tumorigenicity 14 protein (ST14) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ST14 elisa kit	Description: This Human Suppressor of tumorigenicity 14 protein (ST14) ELISA Kit employs a two-site sandwich ELISA to quantitate ST14 in samples. An antibody specific for ST14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ST14 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ST14 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 ST14 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ST14 is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate hepatocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis. ST14 lacks a signal sequence and is likely to be a membrane-associated serine protease. Expression was also observed in a colorectal adenocarcinoma cell line, but not in several other cell lines tested.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11415040
NCBI GeneID	6768
NCBI Accession #	NP_068813.1
NCBI GenBank Nucleotide #	NP_068813.1
UniProt Accession #	Q9Y5Y6
NCBI Official Full Name	suppressor of tumorigenicity 14 protein
NCBI Official Synonym Full Names	suppression of tumorigenicity 14
NCBI Official Symbol	ST14
NCBI Official Synonym Symbols	HAI; MTSP1; SNC19; ARCI11; MT-SP1; PRSS14; TADG15; TMPRSS14
NCBI Protein Information	suppressor of tumorigenicity 14 protein
UniProt Protein Name	Suppressor of tumorigenicity 14 protein
UniProt Gene Name	ST14
UniProt Synonym Gene Names	PRSS14; SNC19; TADG15; MT-SP1
UniProt Entry Name	ST14_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.