

Human Stanniocalcin 1 (STC1) ELISA Kit | STC1 elisa kit

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CATALOG #
AAA66466

REACTIVITY
Human

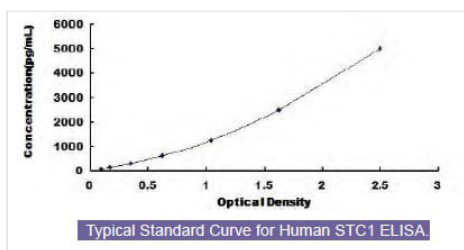
PRODUCT SYNONYMS

Stanniocalcin 1 (STC1); Human Stanniocalcin 1 (STC1) ELISA Kit; STC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of STC1. No significant cross-reactivity or interference between STC1 and analogues was observed.
Sequence Length	247
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	< 27pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level STC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level STC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STC1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of STC1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to STC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to STC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain STC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of STC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507265
NCBI GeneID	6781
NCBI Accession #	NP_003146.1
NCBI GenBank Nucleotide #	NM_003155.2
UniProt Accession #	P52823; Q71UE5; B4DN22
Molecular Weight	20,487 Da
NCBI Official Full Name	stanniocalcin-1
NCBI Official Synonym Full Names	stanniocalcin 1
NCBI Official Symbol	STC1
NCBI Official Synonym Symbols	STC
NCBI Protein Information	stanniocalcin-1
UniProt Protein Name	Stanniocalcin-1
UniProt Gene Name	STC1
UniProt Synonym Gene Names	STC; STC-1

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.