

Mouse Stanniocalcin-1 (STC1) ELISA Kit | STC1 elisa kit

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CATALOG #
AAA332279

REACTIVITY
Mouse

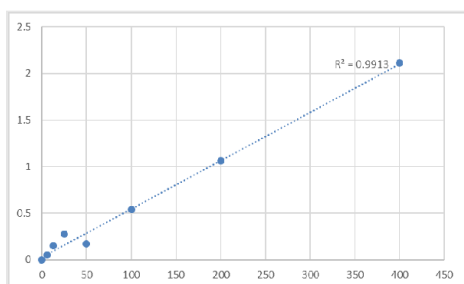
PRODUCT SYNONYMS

Stanniocalcin-1 (STC1); Mouse Stanniocalcin-1 (STC1) ELISA Kit; STC1; STC; STC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Stanniocalcin-1 (STC1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse STC1. No significant cross-reactivity or interference between Mouse STC1 and analogues was observed.
Sequence Length	247
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. Mouse Stanniocalcin-1 (STC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STC1 elisa kit	Description: This Mouse Stanniocalcin-1 (STC1) ELISA Kit employs a two-site sandwich ELISA to quantitate STC1 in samples. An antibody specific for STC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STC1 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 STC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Stanniocalcin-1 is a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian, and breast cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134053908
NCBI GeneID	20855
NCBI Accession #	NP_033311.3
NCBI GenBank Nucleotide #	NP_033311.3
UniProt Accession #	O55183
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/stanniocalcin-1-stc1/332279>