

Human Sucrase Isomaltase (SI) ELISA Kit | SI elisa kit

Human Sucrase Isomaltase (SI) ELISA Kit

CATALOG #
AAA63633

REACTIVITY
Human

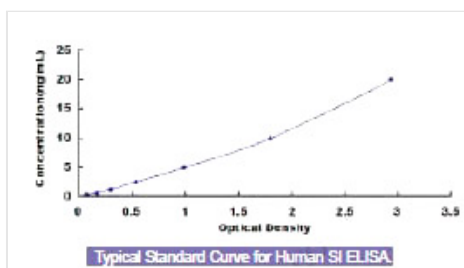
PRODUCT SYNONYMS

Sucrase Isomaltase (SI); Human Sucrase Isomaltase (SI) ELISA Kit; Oligosaccharide Alpha-1; 6-Glucosidase; SI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SI. No significant cross-reactivity or interference between SI and analogues was observed.
Sequence Length	1827
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.107ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SI 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 SI 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 SI elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SI in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SI. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SI. 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 SI, 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 SI in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	157364974
NCBI GeneID	6476
NCBI Accession #	NP_001032.2
NCBI GenBank Nucleotide #	NM_001041.3
UniProt Accession #	P14410; Q1JQ80; Q1RMC2; A2RUC3
Molecular Weight	209,453 Da
NCBI Official Full Name	sucrase-isomaltase, intestinal
NCBI Official Synonym Full Names	sucrase-isomaltase
NCBI Official Symbol	SI
NCBI Protein Information	sucrase-isomaltase, intestinal
UniProt Protein Name	Sucrase-isomaltase, intestinal
UniProt Gene Name	SI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/sucrase-isomaltase-si/63633>