

Mouse Sodium/Glucose Cotransporter 1 (SGLT1) ELISA Kit | SGLT1 elisa kit

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CATALOG #
AAA63833

REACTIVITY
Mouse

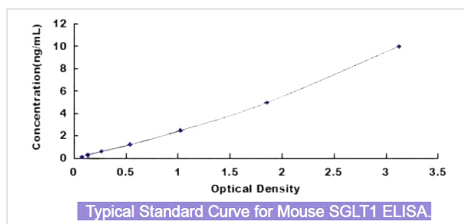
PRODUCT SYNONYMS

Sodium/Glucose Cotransporter 1 (SGLT1); Mouse Sodium/Glucose Cotransporter 1 (SGLT1) ELISA Kit; SLC5A1; NAGT; Solute Carrier Family 5 Member 1; High affinity sodium-glucose cotransporter; Na(+)/glucose cotransporter 1; SGLT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SGLT1. No significant cross-reactivity or interference between SGLT1 and analogues was observed.
Sequence Length	665
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SGLT1 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 SGLT1 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 SGLT1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SGLT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SGLT1. 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 SGLT1, 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 SGLT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SGLT1 in mouse tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261824023
NCBI GeneID	20537
NCBI Accession #	NP_062784.3
NCBI GenBank Nucleotide #	NM_019810.4
UniProt Accession #	Q8C3K6
Molecular Weight	73,449 Da
NCBI Official Full Name	sodium/glucose cotransporter 1
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/glucose cotransporter), member 1
NCBI Official Symbol	Slc5a1
NCBI Official Synonym Symbols	Sgt1
NCBI Protein Information	sodium/glucose cotransporter 1
UniProt Protein Name	Sodium/glucose cotransporter 1
UniProt Gene Name	Slc5a1
UniProt Synonym Gene Names	Na(+)/glucose cotransporter 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/sodium-glucose-cotransporter-1-sglt1/63833>