

Rat Sodium/glucose cotransporter 1 ELISA Kit | Slc5a1 elisa kit

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CATALOG #
AAA101753

REACTIVITY
Rat

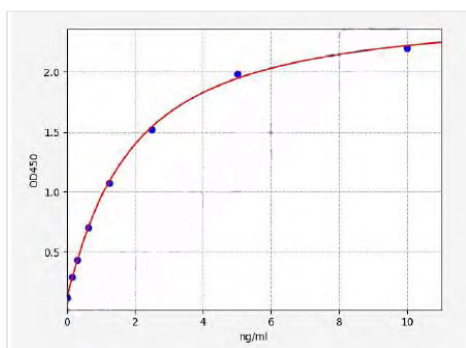
PRODUCT SYNONYMS

Sodium/glucose cotransporter 1; Rat Sodium/glucose cotransporter 1 ELISA Kit; Slc5a1/SGLT1/NAGT/SLC5A1/D22S675/High affinity sodium-glucose cotransporter/Na⁺/glucose cotransporter 1/NAGT/sodium/glucose cotransporter 1/SGLT1Na (+)/glucose cotransporter 1/solute carrier family 5 (sodium/glucose cotransporter); member 1/Solute carrier family 5 member 1; Slc5a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Slc5a1. No significant cross-reactivity or interference between Slc5a1 and analogues was observed.
Sequence Length	665
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc5a1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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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
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
UniProt Entry Name	SC5A1_MOUSE

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/slc5a1-rat-elisa-kits/sodium-glucose-cotransporter-1/101753>