

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

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CATALOG #
AAA57203

REACTIVITY
Rat

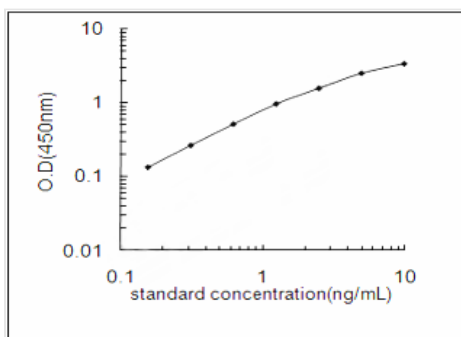
PRODUCT SYNONYMS

Sodium/glucose cotransporter 1; Rat Sodium/glucose cotransporter 1 ELISA Kit; Na(+)/glucose cotransporter 1; High affinity sodium-glucose cotransporter; Solute carrier family 5 member 1; Slc5a1; Sglt1; Slc5a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Na(+)/glucose cotransporter 1. No significant cross-reactivity or interference was observed.
Sequence Length	665
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.088 ng/mL
Intra-Assay CV	<=4.6%
Inter-Assay CV	<=8.2%
Recovery	100%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc5a1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat sodium/glucose cotransporter 1, Na(+)/glucose cotransporter 1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Na(+)/glucose cotransporter 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Na(+)/glucose cotransporter 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Na(+)/glucose cotransporter 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Na(+)/glucose cotransporter 1 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 #	6981552
NCBI GeneID	25552
NCBI Accession #	NP_037165.1
NCBI GenBank Nucleotide #	NM_013033.2
UniProt Accession #	P53790; P97787
Molecular Weight	73,066 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	SGLT1; SGLT1a
NCBI Protein Information	sodium/glucose cotransporter 1
UniProt Protein Name	Sodium/glucose cotransporter 1
UniProt Gene Name	Slc5a1
UniProt Synonym Gene Names	Sgt11; Na(+)/glucose cotransporter 1
UniProt Entry Name	SC5A1_RAT

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.