

Mouse Sodium/glucose cotransporter 1 (SLC5A1) ELISA Kit

Catalog No: #EK7268

Orders: order@signalwayantibody.com

Package Size: #EK7268-1 48T #EK7268-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Sodium/glucose cotransporter 1 (SLC5A1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP1-127L4.1; D22S675; NAGT; SGLT1; Human Na ⁺ /glucose cotransporter 1 mRNA; complete cds sodium/glucose cotransporter 1 solute carrier family 5 (sodium/glucose transporter); member 1 solute carrier f
Accession No.	Q8C3K6
Uniprot	Q8C3K6
GeneID	20537;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.062 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SLC5A1 in samples. An antibody specific for SLC5A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySLC5A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC5A1 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 SLC5A1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Glucose transporters are integral membrane proteins that mediate the transport of glucose and structurally-related substances across cellular membranes. Two families of glucose transporter have been identified: the facilitated diffusion glucose transporter family (GLUT family), also known as 'uniporters,' and the sodium-dependent glucose transporter family (SGLT family), also known as 'cotransporters' or 'symporters'. The SLC5A1 gene encodes a protein that is involved in the active transport of glucose and galactose into eukaryotic and some prokaryotic cells.The SLC5A1 protein contains a core of 13 transmembrane domains, which it shares with other members of

the gene family, and it contains an additional transmembrane appended to the C termin.

Note: This product is for in vitro research use only