

# Human Sodium-dependent neutral amino acid transporter B (SLC6A19) ELISA Kit



Catalog No: #EK7263

Orders: order@signalwayantibody.com

Package Size: #EK7263-1 48T #EK7263-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Sodium-dependent neutral amino acid transporter B (SLC6A19) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	B0AT1; FLJ20680; FLJ34635; HND; sodium-dependent amino acid transporter system B0 solute carrier family 6 (neurotransmitter transporter); member 19 solute carrier family 6; member 19 system B0 neutr
Accession No.	Q695T7
Uniprot	Q695T7
GeneID	340024;
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:0.625-40 ng/mL

Sensitivity:0.252 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 SLC6A19 in samples. An antibody specific for SLC6A19 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySLC6A19 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC6A19 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 SLC6A19 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SLC6A19 is a system B(0) transporter that mediates epithelial resorption of neutral amino acids across the apical membrane in the kidney and intestine.The deduced 634-amino acid protein contains 12 transmembrane domains. In situ hybridization detected Slc6a19 expression in renal cortical proximal tubules and in small intestine villus enterocytes, with highest expression in apical cells. EST database analysis suggested expression in several other tissues and cells. contains 634 amino acids and has 12 predicted transmembrane regions. In a panel of human cDNAs, they detected robust expression of SLC6A19 in kidney and small intestine, with minimal expression in pancreas. SLC6A19 was also expressed in stomach, liver, duodenum, and ileocecum.

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Note: This product is for in vitro research use only