

Human Sodium-Dependent Serotonin Transporter (SLC6A4) ELISA Kit | SLC6A4 elisa kit

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CATALOG #
AAA330804

REACTIVITY
Human

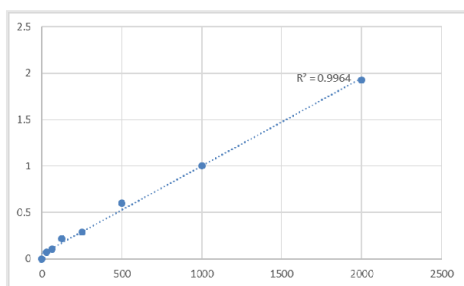
PRODUCT SYNONYMS

Sodium-Dependent Serotonin Transporter (SLC6A4); Human Sodium-Dependent Serotonin Transporter (SLC6A4) ELISA Kit; SLC6A4; 5-HTT; 5-HTTLPR; 5HTT; HTT; OCD1; SERT; hSERT; 5-hydroxytryptamine transporter; 5HT transporter; Na+/Cl-dependent serotonin transporter; OTTHUMP00000163633; sodium-dependent serotonin transporter; solut; SLC6A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sodium-dependent serotonin transporter (SLC6A4) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC6A4. No significant cross-reactivity or interference between Human SLC6A4 and analogues was observed.
Sequence Length	630
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Sodium-dependent serotonin transporter (SLC6A4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SLC6A4 elisa kit	Description: This Human Sodium-dependent serotonin transporter (SLC6A4) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC6A4 in samples. An antibody specific for SLC6A4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC6A4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC6A4 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 SLC6A4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The serotonin transporter (SERT) is a monoamine transporter protein.This protein is an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. This transport of serotonin by the SERT protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamine, cocaine, and MDMA, and is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake and may play a role in sudden infant death syndrome, aggressive behavior in Alzheimer disease patients, post-traumatic stress disorder and depression-susceptibility in people experiencing emotional trauma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300444
UniProt Accession #	P31645
NCBI Official Full Name	serotonin transporter, serotonin uptake site, 5-HT uptake site
UniProt Protein Name	Sodium-dependent serotonin transporter
UniProt Gene Name	SLC6A4
UniProt Synonym Gene Names	HTT; SERT; 5HTT
UniProt Entry Name	SC6A4_HUMAN

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/human-elisa-kits/sodium-dependent-serotonin-transporter-slc6a4/330804>