

Porcine Serotonin Transporter ELISA Kit | SERT elisa kit

Porcine Serotonin Transporter ELISA Kit

CATALOG #
AAA90514

REACTIVITY
Porcine

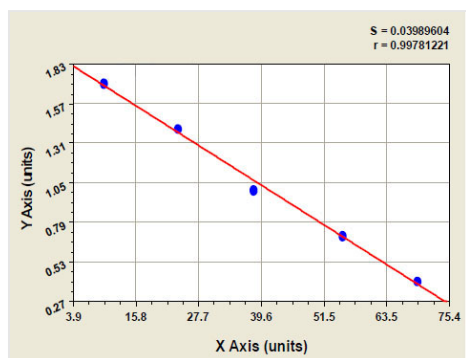
PRODUCT SYNONYMS

Serotonin Transporter; Porcine Serotonin Transporter ELISA Kit; SERT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This SERT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine SERT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERT elisa kit

Principle of the Assay: SERT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SERT antibody and an SERT-HRP conjugate. The assay sample and buffer are incubated together with SERT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SERT concentration since SERT from samples and SERT-HRP conjugate compete for the anti-SERT antibody binding site. Since the number of sites is limited, as more sites are occupied by SERT from the sample, fewer sites are left to bind SERT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SERT concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SERT elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	58700442
NCBI GeneID	6532
Molecular Weight	74,979 Da
NCBI Official Full Name	serotonin transporter
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter), member 4
NCBI Official Symbol	SLC6A4
NCBI Official Synonym Symbols	HTT; 5HTT; OCD1; SERT; 5-HTT; SERT1; hSERT; 5-HTTLPR
NCBI Protein Information	sodium-dependent serotonin transporter; 5HT transporter; serotonin transporter 1; Na+/Cl- dependent serotonin transporter; 5-hydroxytryptamine (serotonin) transporter; solute carrier family 6 (neurotransmitter transporter, serotonin), member 4
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/serf-porcine-elisa-kits/serotonin-transporter/90514>