

Chicken Serotonin Transporter ELISA Kit | SERT elisa kit

Chicken Serotonin Transporter ELISA Kit

CATALOG #
AAA89908

REACTIVITY
Chicken

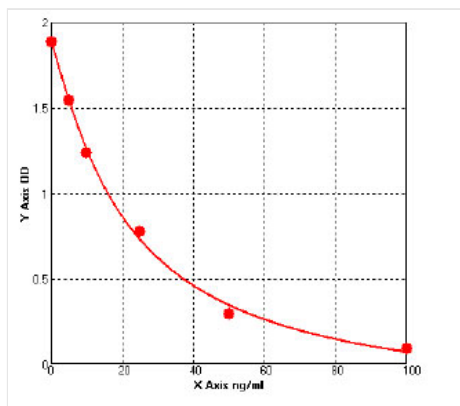
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of SERT. No significant cross-reactivity or interference between SERT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SERT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This SERT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 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 polyclonal 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. Intended Uses: This SERT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken SERT. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for SERT elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	58700442
NCBI GeneID	6532
UniProt Accession #	P31645; Q5EE02; Q9NYN7; AAB26687
Molecular Weight	70,325 Da
NCBI Official Full Name	serotonin transporter
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter, serotonin), 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; 5-hydroxytryptamine transporter; solute carrier family 6 member 4; Na+/Cl- dependent serotonin transporter
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/sert-chicken-elisa-kits/serotonin-transporter/89908>