

Canine Serotonin Transporter ELISA Kit | SERT elisa kit

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CATALOG #
AAA88870

REACTIVITY
Canine

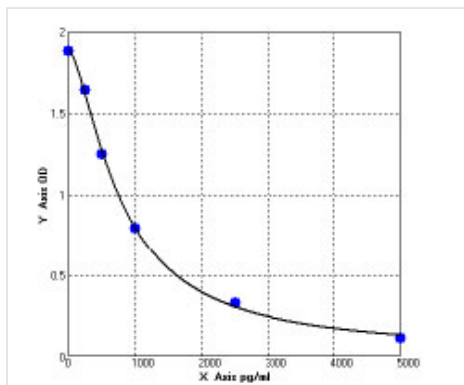
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERT elisa kit	Intended Uses: This SERT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SERT. This ELISA kit for research use only! Principle of the Assay: SERT ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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.