

Rat Serotonin Transporter ELISA Kit | SERT elisa kit

Rat SERT (Serotonin Transporter) ELISA Kit

CATALOG #
AAA171522

REACTIVITY
Rat

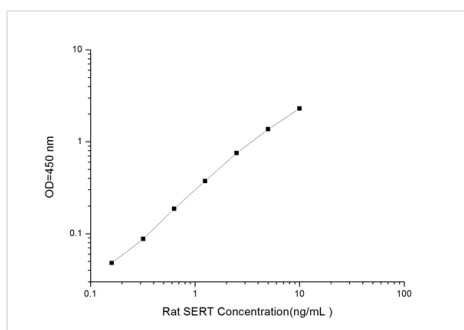
PRODUCT SYNONYMS

Serotonin Transporter; Rat SERT (Serotonin Transporter) ELISA Kit; SERT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat SERT in samples. No significant cross-reactivity or interference between Rat SERT and analogues was observed.
Sequence Length	630
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat SERT were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat SERT were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERT elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat SERT concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat SERT. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat SERT and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat SERT, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat SERT. You can calculate the concentration of Rat SERT in the samples by comparing the OD of the samples to the standard curve.
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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 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
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.