

Rat Sodium-dependent dopamine transporter ELISA Kit | Slc6a3 elisa kit

Rat Sodium-dependent dopamine transporter ELISA Kit

CATALOG #
AAA98142

REACTIVITY
Rat

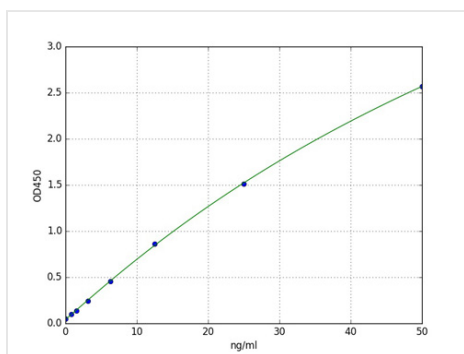
PRODUCT SYNONYMS

Sodium-dependent dopamine transporter; Rat Sodium-dependent dopamine transporter ELISA Kit; Slc6a3/DAT1/SLC6A3/VNTR/DA transporter/DATDAT1Solute carrier family 6 member 3/sodium-dependent dopamine transporter/solute carrier family 6 (neurotransmitter transporter; dopamine); member 3; Slc6a3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	620
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Slc6a3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.052	0.103	0.130	0.237	0.466	0.922	1.572	2.838

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc6a3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Slc6a3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Slc6a3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Slc6a3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Slc6a3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507041
NCBI GeneID	6531
NCBI Accession #	NP_001035.1
NCBI GenBank Nucleotide #	NM_001044.4
Molecular Weight	68,495 Da
NCBI Official Full Name	sodium-dependent dopamine transporter
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter), member 3
NCBI Official Symbol	SLC6A3
NCBI Official Synonym Symbols	DAT; DAT1; PKDYS
NCBI Protein Information	sodium-dependent dopamine transporter
UniProt Protein Name	Sodium-dependent dopamine transporter
UniProt Gene Name	SLC6A3
UniProt Synonym Gene Names	DAT1; DA transporter; DAT
UniProt Entry Name	SC6A3_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/slc6a3-rat-elisa-kits/sodium-dependent-dopamine-transporter/98142>