

Rat Dopamine Transporter ELISA Kit | DAT elisa kit

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CATALOG #
AAA16134

REACTIVITY
Rat

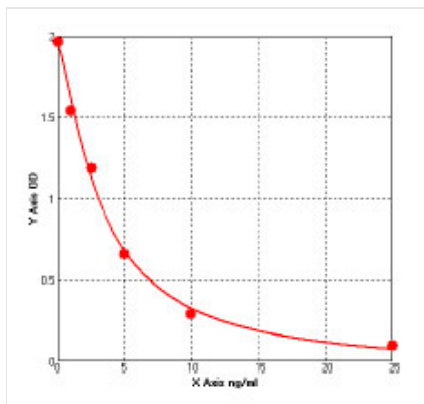
PRODUCT SYNONYMS

Dopamine Transporter; Rat Dopamine Transporter ELISA Kit; DAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DAT. No significant cross-reactivity or interference between DAT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DAT 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DAT elisa kit	Principle of the Assay: DAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DAT antibody and an DAT-HRP conjugate. The assay sample and buffer are incubated together with DAT-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 DAT concentration since DAT from samples and DAT-HRP conjugate compete for the anti-DAT antibody binding site. Since the number of sites is limited, as more sites are occupied by DAT from the sample, fewer sites are left to bind DAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DAT concentration in each sample is interpolated from this standard curve. Intended Uses: This DAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DAT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for DAT elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	223691974
NCBI GeneID	7501668
Molecular Weight	31,763 Da
NCBI Official Full Name	Dat
NCBI Official Symbol	dat
NCBI Protein Information	D-alanine aminotransferase Dat; hypothetical protein
UniProt Protein Name	Dat
UniProt Gene Name	dat
UniProt Synonym Gene Names	HRM2_21590
UniProt Entry Name	C0QDJ3_DESAH

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/dat-rat-elisa-kits/dopamine-transporter/16134>