

Rat Dopamine decarboxylase ELISA Kit | DDC elisa kit

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CATALOG #
AAA86358

REACTIVITY
Rat

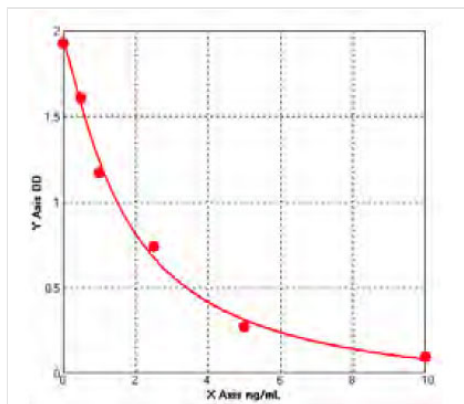
PRODUCT SYNONYMS

Dopamine decarboxylase; Rat Dopamine decarboxylase ELISA Kit; DDC elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	48145565
NCBI GeneID	1644
UniProt Accession #	Q6IBS8; P20711
Molecular Weight	53,880 Da
NCBI Official Full Name	DDC
NCBI Official Synonym Full Names	dopa decarboxylase (aromatic L-amino acid decarboxylase)
NCBI Official Symbol	DDC
NCBI Official Synonym Symbols	AADC
NCBI Protein Information	aromatic-L-amino-acid decarboxylase
UniProt Protein Name	DDC protein
UniProt Gene Name	DDC
UniProt Entry Name	Q6IBS8_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.