

Monkey Dopamine decarboxylase ELISA Kit | DDC elisa kit

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CATALOG #
AAA94936

REACTIVITY
Monkey

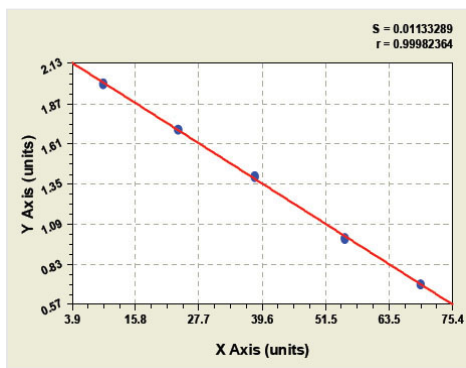
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ug/mL
Sensitivity	1.0ug/mL
Intended Uses	This DDC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey DDC. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDC elisa kit	Principle of the Assay: DDC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DDC antibody and an DDC-HRP conjugate. The assay sample and buffer are incubated together with DDC-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 DDC concentration since DDC from samples and DDC-HRP conjugate compete for the anti-DDC antibody binding site. Since the number of sites is limited, as more sites are occupied by DDC from the sample, fewer sites are left to bind DDC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DDC concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DDC elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	221476190
NCBI GeneID	35190
NCBI Accession #	NP_523600.5
NCBI GenBank Nucleotide #	NM_078876.5
Molecular Weight	56,863 Da
NCBI Official Full Name	dopa decarboxylase, isoform D
NCBI Official Synonym Full Names	Dopa decarboxylase
NCBI Official Symbol	Ddc
NCBI Official Synonym Symbols	5-HT; AADC; CG10697; ddc; DDC; DdcDm; DmelCG10697; fDDC; l(2)37Bl; l(2)37Ch; l(2)k02104
NCBI Protein Information	CG10697 gene product from transcript CG10697-RB; 3,4-Dihydroxyphenylalanine decarboxylase; CG10697-PB; CG10697-PC; CG10697-PD; Ddc-PB; Ddc-PC; Ddc-PD; aromatic L-amino acid decarboxylase; dopa decarboxylase; dopa-decarboxylase; dopadecarboxylase; dopamine decarboxylase; transcription unit No. 3
UniProt Protein Name	Aromatic-L-amino-acid decarboxylase
UniProt Gene Name	Ddc
UniProt Synonym Gene Names	CG10697; AADC; DDC
UniProt Entry Name	DDC_DROME

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.